Department of the Army
Pamphlet 350–39

Training

# Standards in Weapons Training (Special Operations Forces)

Headquarters
Department of the Army
Washington, DC
3 July 1997

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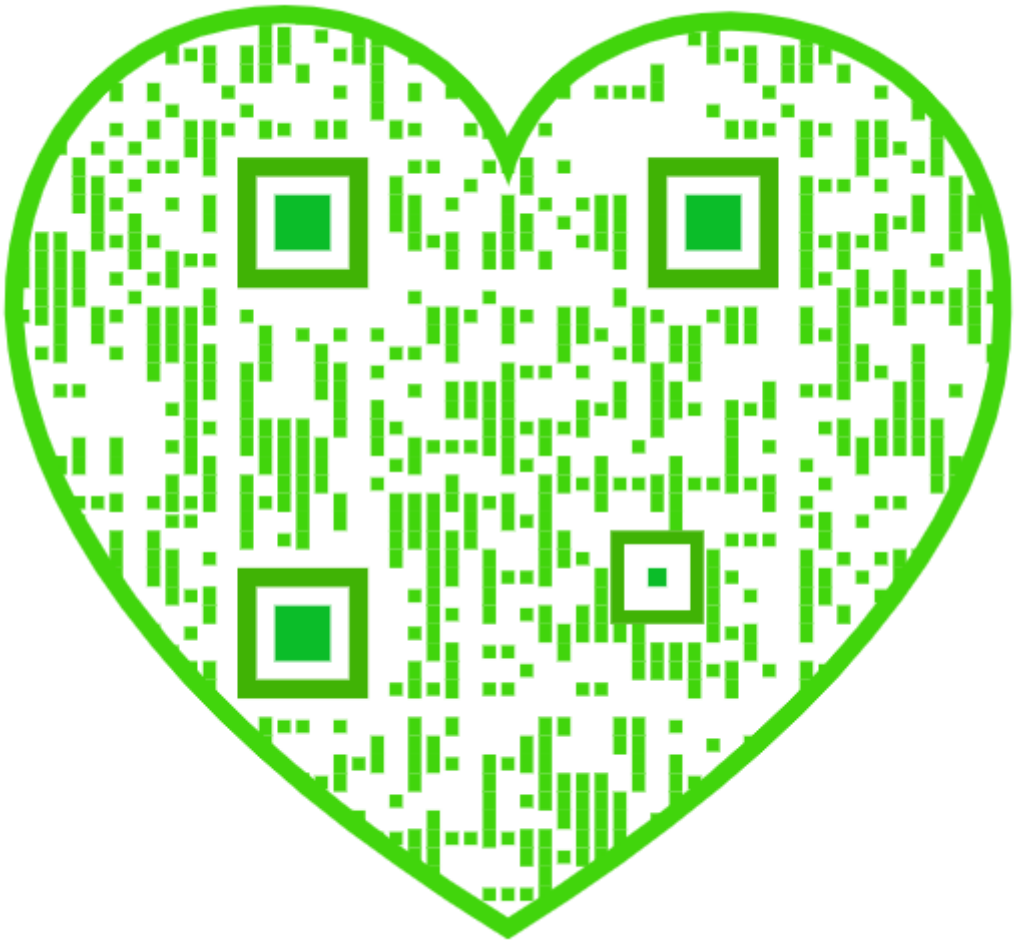

# SUMMARY of CHANGE

DA PAM 350–39
Standards in Weapons Training (Special Operations Forces)

This revision--

- Deletes requirements for M72A2 light antitank weapon (LAW) (Chap 2).
- Deletes requirements for ranger antiarmor-antipersonnel weapon system (RAAWS) (Chap 2).
- Deletes requirements for Stinger crews (Chap 2).
- Deletes requirements for mine warfare (Chap 2).
- Deletes requirements for MGXX warfare (Chap 2).
- Deletes requirements for CAR15 warfare (Chap 2).
- Deletes requirements for Combat Training Center (CTC) (Chap 2).
- Adds requirements for rocket propelled grenades (RPG) (Chap 3).
- Adds requirements for close-quarters combat (CQC) (Chap 3).
- Adds requirements for recoilless rifles (RCRL) 84-mm and 90-mm (Chap 3).
- Adds requirements for Stinger crews (Chap 3).
- Adds requirements for mortars 107-mm (Chap 3).

**Headquarters**
**Department of the Army**
**Washington, DC**
**3 July 1997**

# *Department of the Army Pamphlet 350–39

**Training**

# Standards in Weapons Training (Special Operations Forces)

By Order of the Secretary of the Army:

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*General, United States Army*
*Chief of Staff*

Official:

JOEL B. HUDSON
*Administrative Assistant to the Secretary of the Army*

**History.** This is a revision of the publication printed on 30 September 1993. Because the publication has been extensively revised, the changed portions have not been highlighted.

**Summary.** This revised pamphlet contains procedures for planning, resourcing, and executing training. It includes weapons qualification standards, suggested training programs, and ammunition requirements for the attainment and sustainment of weapons proficiency. The programs incorporate training devices and simulators.

**Applicability.** This pamphlet applies to the Special Operation Forces Deputy Chief of Staff for Operations and Plans in the Active Army, the Army National Guard, and the U. S. Army Reserve . This publication is applicable to all Special Operation Forces unit commanders, battalions, groups and major Army commands. This publication applies during partial and full mobilization.

**Proponent and exception authority.** The proponent of this pamphlet is the Deputy Chief of Staff for Operations and Plans. The Deputy Chief of Staff for Operations and Plans has the authority to approve exceptions to this pamphlet that are consistent with controlling law and regulation. The Deputy Chief of Staff for Operations and Plans may delegate this authority, in writing, to a division chief within the proponent agency or a field operating agency in the grade of colonel or the civilian equivalent.

**Suggested Improvements.** Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to Deputy Chief of Staff for Operations and Plans ATTN DAMO-TRO 400 Army Pentagon Washington DC 20310-0450.

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**Glossary**

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## Chapter 1
## Introduction

### 1–1. Purpose

*a.* This pamphlet provides Department of the Army (DA) requirements for weapon training programs as stated in AR 350-41, Army Forces Training. This pamphlet applies to weapons and weapon systems used throughout U.S. Army Special Operations Command (USASOC) for both Active and Reserve components. The following training programs are included in this pamphlet—

- Gunnery training programs consisting of standards for qualification.
- Suggested training strategies for individual and crew-served weapon systems to achieve those standards.
- Ammunition requirements to execute the training strategies.

*b.* The Army training goal is a combat-ready force prepared to deploy on short notice and to fight and defeat enemies. To help achieve that goal, this pamphlet:

(1) Provides commanders and other unit trainers with a common set of weapon and weapon system qualification standards.

(2) Provides commanders and other unit trainers with suggested weapon training strategies that will lead to the attainment and sustainment of standards and provide a model of resource allocation.

(3) Provides commanders with measurable standards for evaluating a portion of their overall training readiness.

### 1–2. References

Required and related references are listed in Appendix A.

### 1–3. Explanation of abbreviations

Abbreviations used in this pamphlet are explained in the Glossary.

### 1–4. The Standards in Training Commission

In March 1982, the Vice Chief of Staff, Army (VCSA) established the Standards in Training Commission (STRAC), appointing a chairman and U.S. Army Training and Doctrine Command (TRADOC) U.S. Army Training Support Center (ATSC) as the Army Executive Agent. The mission was to determine the quantities and type of munitions essential for soldiers, crews, and units to attain and sustain weapon proficiency relative to readiness levels making maximum use of aids, devices, simulators, simulations and subcaliber firing.

### 1–5. Management

The STRAC chairman directs the program, and reports directly to the VCSA. The chairman is supported by a general officer steering committee with membership from the Army Staff Active Component (AC) and Reserve Component (RC), major Army commands (MACOM), TRADOC and the commandants of the ordinance delivering schools. The executive committee reviews the program and provides recommendations to the chairman. The weapon committees chaired by the commandants of the TRADOC proponent schools, with full MACOM representation, develop weapon training standards and strategies for staffing and approval by HQDA.

### 1–6. Training functions

*a.* The Assistant Secretary of the Army (Research Development and Acquisition) manages the research, development, and procurement of ammunition items.

*b.* The Deputy Chief of Staff for Operations and Plans (DA-DCSOPS)—

(1) Trains Army Forces and chairs the STRAC.

(2) Advises the Chief of Staff, Army and Vice Chief of Staff, Army on STRAC matters.

*c.* The Director of Training, Office of the DCSOPS (HQDA, DAMO-TR)—

(1) Acts on behalf of the DCSOPS as the Headquarters, Department of the Army (HQDA) point of contact for standard training programs and chairs the STRAC General Officer Working Group.

(2) Prescribes policy, coordinates standards in training requirements and develops training ammunition requirements.

(3) Prescribes criteria for, and designates units at, training levels.

(4) Monitors STRAC training programs.

(5) Resources the Army component of Combat Training Centers with ammunition, separately from units.

*d.* The Deputy Chief of Staff for Logistics manages transportation and storage of ammunition required to support the training programs.

*e.* The Commanding General, U.S. Army Training and Doctrine Command (CG, TRADOC)—

(1) Develops, standardizes and evaluates standards and training strategies.

(2) Staffs weapon training strategies through the STRAC General Officer Working Group for publication.

(3) Implements standards in training programs in the training base, where applicable.

(4) Determines annual training ammunition requirements for the training base according to standard training programs.

*f.* Commander of U.S. Army Special Operations Command (USASOC)—

(1) Trains forces to attain and sustain weapon proficiency standards.

(2) Determines annual training ammunition requirements and authorizations for assigned units considering standards and notional (ideal) strategies in this pamphlet, unit mission, unit priority and applicable resource guidance.

*g.* Commanders examine each strategy as it applies to the unit's training level, unique training needs, overall training program and objectives, as specified by mission, soldiers manual (SM), and Army Training and Evaluation Program (ARTEP).

### 1–7. Weapon system training programs

*a.* Weapons and weapon systems for which training programs have been written and approved are identified in tables 1-1 through 1-4.

*b.* Chapters 2 and 3 contain strategies for training and maintaining proficiency for soldiers, crews, and units in gunnery skills for Rangers and Special Forces respectively. Chapter 4 includes weapon/crew qualification requirements for the 160th Special Operations Aviation Regiment (AC) and the 1/245th Special Operations Aviation Battalion. Chapter 5 provides standards, strategies, and ammunition resources for Civil Affairs and Psychological Operations units (AC and RC). Chapter 6 covers mobilization of these units.

*c.* The standards listed throughout each chapter are prescriptive. The strategies provide a model for training and resourcing to attain the standards. The strategies listed are one way of meeting the standards. Commanders must examine each strategy as it applies to the unit's training level, unique training needs, overall training program and objectives as specified by mission, SM, and ARTEP. Commanders must make this determination prior to expenditure of full service ammunition, which is fixed and based on the notional strategies, thus allowing ammunition to be used more effectively on those tasks in which the unit is deficient. Flexibility in the strategies is intended to accommodate unit requirements.

*d.* Reference to training readiness conditions (TRC) are omitted from this revision, as redundant to table configuration.

*e.* Combat Training Center rotations are resourced at the CTC in question: National Training Center (NTC), and Joint Readiness Training Center (JRTC). The ammunition package for each organization is identified here for unit information.

### 1–8. Training devices

Training devices aid sustainment training in garrison and local training areas. Devices will enhance and sustain skills and, in some cases, may be the sole medium for training critical tasks. Devices

are an integral part of the training strategies and full caliber requirements are based on their use as presented in the strategies. A complete list and description of available devices may be found in DA Pam 350-38 in the appropriate weapon system chapter.

**Table 1–1**
**Ranger Unit Weapon Systems Training Programs**

| | | | | | |
|---|---|---|---|---|---|
| Dragon | 90-mm RCLR | AT-4 | LAW | 60-mm Mortar | M60 MMG |
| M246 SAW | M16A2 Rifle | M21 Sniper Rifle | M203 Grenade Launcher | Pistols: Cal .45, 9 mm | M202A1 Flash |
| Hand Grenade | Claymore Mine | Shotgun | MGXX | Field Arty (105/155) | Stinger |
| Mines | Demolitions | | | | |

**Table 1–2**
**Special Forces Weapon Systems Training Programs**

**Standard Weapons**

| | | | | | |
|---|---|---|---|---|---|
| TOW | 106 RCLR | AT-4 | LAW | Mortars (60-mm, 81-mm, 120-mm) | M60 Machine Gun |
| M60 D MG | M249 SAW | M16A2Rifle | M21 Sniper Rifle | Pistols (9 mm, Cal .45) | M202A1 Flash |
| Hand Grenade | Claymore Mine | Mines | Demolition | | |

**Non Standard Weapons**

| | | | | | |
|---|---|---|---|---|---|
| Pistols: Model 10, P38, BH | | | SMG, Uzi, M1A1, M12 | M45, M50, MP5A3/K, VZ23 | Rifles: FNFAL, G3A4, M2, M1 |
| M1200 Shotgun<br>MK19 GMG Mod 1 | M1918A2 (BAR) | M1903A4<br>MAG 58 | M79<br>M1919A6 | MG | MG3 |

**Table 1–3**
**160th Special Operations Aviation Regiment (Airborne)—Active Component and the 1/245th Aviation Battalion-Reserve Component**

| | | | | | |
|---|---|---|---|---|---|
| M16A2 Rifle | M9 Combat Pistol | MP-5 Submachine gun | M2 HB Machine gun | M60 Machine Gun | M249 SAW |
| M203 Grenade Launcher | LAW | Hand Grenade | M18A1/A2 Claymore | MH-60 (DAP) Aerial Gunnery | AH-6 Aerial Gunnery |
| M134 Minigun | Pyrotechnics | MH-60D Door Gunnery | | | |

**Table 1–4**
**Civil Affairs/Psychological Operations Weapon Systems Training Programs**

| | | | | |
|---|---|---|---|---|
| M16A2 | Pistols: 9-mm, .45 cal | M60 MMG | M203 Grenade Launcher | Pyrotechnics |

# Chapter 2
# Rangers

## Section I
## Training Programs

### 2–1. General

This chapter provides weapon standards, training strategies and resource requirements for the 75th Ranger Regiment. The training programs provided are specifically designed for each weapon system within Ranger units. Each program contains a standard and strategy that outlines the training requirements and includes suggested frequencies of live fire, subcaliber, and use of devices.

### 2–2. Objective

The objective is to assist Ranger commanders in conducting the training necessary to ensure proficiency of all weapon systems. These training programs are recommended as a method to attain and sustain weapon proficiency throughout the training year.

### 2–3. Training programs

Training standards are stated at the beginning of each program. The individual training strategy is given next, followed by the squad, crew and/or platoon training strategy. Proficiency is achieved

through the use of dry-fire exercises, blank fire exercises, subcaliber exercises, use of devices, and full caliber live-fire exercises. Ammunition requirements are discussed at the conclusion of each training program. The programs are developed on the assumption that training events will be evenly spaced throughout the training year. Resource availability (such as ranges) may allow a commander more live-fire opportunities of shorter duration. In this case, not all squads, crews, and platoons in the battalion will train at each opportunity.

### 2–4. Training strategies

The training strategies in this section are based on exercises in current field manuals (FM) and ARTEPs. The specifics of each exercise are not presented here; consult the appropriate manual. Qualification standards and training strategies for some weapon systems have been divided into two categories:

*a.* Category I applies to all Rangers assigned to the 75th Ranger Regiment, unless they are listed in Category II.

*b.* Category II applies to Rangers assigned to the Regiment or battalion headquarters, medical platoon, company headquarters section, food service section, support platoon, supply section and the Ranger Training Detachment.

## Section II
## Assigned Weapon Training Strategies

### 2–5. Pistol, 9-mm

*a. Standard.* All Rangers assigned a 9-mm pistol will qualify every six months. Qualification consists of firing the combat pistol qualification course in accordance with FM 23-35 and firing for record in mission oriented protective posture (MOPP) 4.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-2.

### 2–6. M16A2/M4A1

*a. Standard.* All Category I and II Rangers assigned an M16A2 or M4A1 will qualify every six months. Qualification consists of firing qualification to standard in accordance with FM 23-9, firing in MOPP 4 and night fire for record.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-3.

### 2–7. Shotgun, 12-gauge

*a. Standards.* All Rangers assigned a 12-gauge shotgun will qualify every six months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-4.

### 2–8. M24 sniper rifle

*a. Standard.* All Rangers designated as snipers will qualify with their assigned M24 Sniper Rifle once per quarter. Qualification consists of firing in accordance with FM 23-10. Iron sights and scope will be zeroed monthly.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-5.

### 2–9. M203 grenade launcher

*a. Standards.* All Rangers assigned an M203 will qualify every six months. Qualification consists of firing table 8-2, FM 23-31.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-6.

### 2–10. M249 squad automatic weapon

*a. Standard.* All Rangers assigned a M249 squad automatic weapon (SAW) will qualify every six months. Qualification consists of firing the 10-meter record course and the 10-meter transition course in accordance with FM 23-14.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-7.

### 2–11. Hand grenade.

*a. Standard.* All Rangers will throw one live, fragmentation hand grenade annually and either negotiate a grenade practice exercise every six months in accordance with FM 23-30 or practice throwing a grenade in conjunction with squad or platoon external evaluations (EXEVAL), live-fire exercise (LFX) or field training exercise (FTX) every six months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-8.

### 2–12. AT-4

*a. Standard.* Two Rangers per rifle/weapon squad will qualify with the AT-4 every six months. Qualification consists of firing the subcaliber ammunition (9-mm) in accordance with FM 23-25, Appendix D, Tables III and IV.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-9.

### 2–13. M240B machine gun

*a. Standard.* All M240B machine gunners and assistant gunners (AG) will qualify every six months. Qualification consists of the 10-meter record course, transition range course (FM 23-67) and firing at night for record.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-10.

### 2–14. M2 HB machine gun

*a. Standard.* All M2 machine gunners and AGs will qualify every six months. Qualification consists of 10-meter record course, transition record course (FM 23-65) and firing at night for record.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-11.

### 2–15. MK-19 grenade machine gun

*a. Standard.* All Ranger MK-19 gunners and assistant gunners will qualify every six months. Qualification consists of firing the range card course in accordance with FM 23-27 (table C-5) and firing at night.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-13.

### 2–16. Mortar, 60-mm

*a. Standard.* All squad leaders, gunners and assistant gunners will pass the mortar gunner's exam (FM 23-90) every six months and all mortar sections will receive a satisfactory rating in accordance with ARTEP standards every six months. Each crew/section/platoon, individually or as part of a larger unit, will conduct one LFX every two months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-13.

### 2–17. Forward observer

*a. Standard.* All assigned Ranger forward observer (FO) Teams must adjust the three missions identified in table 2-14 in accordance with Regimental Training Circular (RTC) 350-1 every six months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-14.

### 2–18. Pyrotechnics

Use table 2-15 for annual pyrotechnic requirements.

### 2–19. M18A1/A2 Claymore mine

*a. Standard.* All Rangers must emplace, arm, and disarm one inert Claymore Mine (FM 23-23) every six months. Additionally, each rifle/weapon squad will incorporate three live Claymore Mines in conjunction with an LFX.

*b. Training strategy.* Recommended training strategies and ammunition requirements are provided in table 2-16.

## 2–20. Mines

*a.* The annual ammunition requirements for demolition systems are given in table 2-17.

*b.* Antitank Mine Standard.

(1) One-hundred percent of the Ranger squad members must perform the individual mine warfare tasks every six months. Training will be accomplished with inert devices. The individual mine warfare tasks include the following:

- 051-192-1006 Install/Remove the M15 Antitank Mine
- 051-192-1007 Install/Remove the M19 Antitank Mine
- 051-192-1009 Install/Remove the M21 Antitank Mine
- 051-192-1014 Install/Remove US Antihandling Devices

(2) All Ranger squads/platoons must perform the unit mine warfare tasks every six months. Training will be accomplished with inert devices. The unit mine warfare tasks include the following:

- 5-3-0101 Install/Recover or Transfer a Hasty Protective Minefield
- 5-3-0106 Conduct Route Minesweep Operations
- 5-3-0108 Emplace a Nonstandard Pattern Minefield
- 5-3-0105 Clear a Vehicle lane through a Minefield

*c. Demolition standard.*

(1) Each Ranger rifle squad must have a basic demolition team that performs the basic demolition and explosive breaching charge tasks live in accordance with RTC 350-1 every six months.

*(a)* The following are the basic demolition tasks:

- Task 1: Construct and detonate a non-electric (initiation) demolition charge.
- Task 2: Construct and detonate an electric (initiation) demolition charge.
- Task 3: Construct and detonate a shock tube (initiation) demolition charge.
- Task 4: Construct an electric firing circuit (common series and leapfrog series) to detonate two or more demolition charges.
- Task 5: Construct and detonate explosives using detonating cord.
- Task 6: Construct and detonate a detonating cord line main system and ring main system.
- Task 7: Breach a wire obstacle with a Bangalore torpedo.
- Task 8: Prepare and detonate an expedient platter charge.
- Task 9: Prepare and detonate an expedient grape-shot charge.
- Task 10: Construct and detonate a field expedient Bangalore torpedo (Claymore, picket, or pole method).
- Task 11: Construct a nonelectric dual firing system.
- Task 12: Construct and detonate an earmuff charge.
- Task 13: Construct and detonate three or more M18A1 Claymore Mines simultaneously.
- Task 14: Construct and detonate a saddle charge.

*(b)* The following are the explosive breaching charge tasks:

- Task 1: Construct and detonate the Brashier breach.
- Task 2: Construct an AT&T charge.
- Task 3: Construct a flexible linear charge.
- Task 4: Construct a flexible linear window charge.
- Task 5: Construct a silhouette charge.
- Task 6: Construct a rubber strip charge.
- Task 7: Construct a general charge.
- Task 8: Construct a chain-link ladder charge.
- Task 9: Construct a doughnut charge.
- Task 10: Construct a wall-breach charge.
- Task 11: Construct a shooting hole charge.

(2) Each Ranger rifle platoon must have an advanced demolition team that performs the advanced demolition tasks, in accordance with RTC 350-1, every 12 months. The following are the advanced demolition tasks:

- Task 1: Using the standard formula for an untamped external charge, compute and detonate a TNT charge.
- Task 2: Emplace and detonate a 40-pound cratering charge electrically and nonelectrically using detonation cord and dual priming below ground.
- Task 3: Emplace two shaped charges; one 15-pound bore holing to insert a cratering charge, and one 40-pound as a command detonated antitank mine.
- Task 4: Compute a charge for a structural steel beam target and detonate the charge.
- Task 5: Install M147 time-delayed firing device (TDFD) on standard military explosives.
- Task 6: Construct and employ a fireball.
- Task 7: Prepare and detonate a linear shaped charge.
- Task 8: Prepare and detonate a field expedient shaped charge.

**Table 2–1**
**Regimental Training Requirements**

| Task | Remarks |
|---|---|
| Familiarization | Required to familiarize Rangers on the capabilities of weapons and ammunition. |
| Zero/Field Fire Qualification | Regiment is required to qualify every six months to maintain readiness. |
| Night Fire/NBC Fire | Qualification includes those activities required for qualification set forth in the FM appropriate to the weapon system. |
| Squad/Platoon LFX | Each Ranger battalion is required to conduct an LFX every six weeks. |
| CALFEX | Each Ranger battalion participates in a minimum of two CALFEXs per year. CALFEXs are extensive live-fire exercises that integrate all weapon systems into the operation. |
| JOTC/JRTC/NTC | Each Ranger battalion participates in one JOTC, JRTC, or NTC rotation at least biennially. |
| Major Exercise | Each Ranger battalion participates in one major exercise annually (for example, Bright Star, Cobra Gold). |

**Table 2–1**
**Regimental Training Requirements—Continued**

| Task | Remarks |
|---|---|
| Joint Readiness Exercise (JRX) | JRXs involve one or more Ranger battalion and aviation assets from SOAR and 16th SOW. JRXs are conducted four times a year, with one battalion conducting two, and two battalions conducting one each. |
| Bilateral Training (BILAT) | This training is conducted at a smaller scale than a JRX. BILATs are used to enhance the special operations skills of both Rangers and the supporting air unit. BILATs are conducted eight times a year, with one battalion conducting four, and two battalions conducting two each. |
| Advance MOUT Training (AMT) | AMT is the Regiment's MOUT training program. Each Ranger battalion will participate in an intensive MOUT training period twice a year (includes a semi-annual "Train the Trainer" requirement). This training is conducted by each Rifle company. |
| Ranger Ready Force (RRF) | RRF-1 assumption occurs four times a year. One Ranger battalion will assume RRF-1 two times, while two Ranger battalions will assume RRF-1 one time each. |
| EDRE | The Regimental EDRE program requires at least one RRF-1 rifle company be evaluated per RRF-1 cycle. |

**Table 2–2**
**Annual Ammunition Requirement and Training Strategy for the 9-mm Pistol**

| Event | Freq | Rounds Required |
|---|---|---|
| DODIC | | A363 |
| Familiarization | 2 | 40 |
| Record/qualification | 2 | 40 |
| Advance MOUT Training (AMT) | 1 | 40 |
| RRF Preparation | 1.33 | 14 |
| **Total Rounds Required** | | **219** |

**Table 2–3**
**Annual Ammunition Requirement and Training Strategy for the M16A2/M4A1 (Cat I &II)**

| | | | Rounds Required | | |
|---|---|---|---|---|---|
| Event | Freq | | Ball | Tracer | Blank |
| DODIC | CAT I | CAT II | A059 | A063 | A080 |
| Familiarization | 2 | 2 | | | |
| Zero | 2 | 2 | 18 | | |
| Field Fire | 2 | 2 | 40 | | |
| Record Qualification | 2 | 2 | 40 | | |
| NBC Practice/Field Fire | 2 | 2 | 20 | | |
| NBC Record Fire | 2 | 2 | 20 | | |
| Night Practice Fire | 2 | 2 | 20 | 10 | |
| Night Record Fire | 2 | 2 | 20 | 10 | |
| Squad/Platoon FTX | 2 | | | | 120 |
| Squad/Platoon LFX | 6 | | 210 | 20 | |
| CALFEX | 2 | | 210 | 20 | |
| Company FTX/DFT | 2 | | 210 | | 120 |
| Battalion FTX | 1 | | | | 120 |
| EXEVAL | 1 | | | | 120 |

**Table 2–3**
**Annual Ammunition Requirement and Training Strategy for the M16A2/M4A1 (Cat I &II)—Continued**

| | | | Rounds Required | | |
|---|---|---|---|---|---|
| Event | Freq | | Ball | Tracer | Blank |
| DODIC | CAT I | CAT II | A059 | A063 | A080 |
| Major Exercise | 1 | | | | 210 |
| JRX | 1.33 | | | | 120 |
| BILAT | 2.67 | 2.67 | | | 120 |
| Advance MOUT Training (AMT) | 1 | | 210 | | |
| RRF Preparation | 1.33 | | 18 | | |
| EDRE | 1 | | 210 | | 120 |
| **Total Rounds Required** | **CAT I** | | **2900** | **200** | **1530** |
| | **CAT II** | | **356** | **40** | **320** |

Notes:
[1] This includes M16A1/M4A1 with M203.

**Table 2–4**
**Annual Ammunition Requirement and Training Strategy for the 12 Gauge Shotgun (CAT I)**

| Event | Freq | Rounds Required 00 Buckshot |
|---|---|---|
| DODIC | | A011 |
| Familiarization | 3 | 10 |
| Squad/Platoon LFX | 6 | 25 |
| CALFEX | 2 | 10 |
| Major Exercise | 1 | 10 |
| JRX | 1.33 | 10 |
| Advance MOUT Training (AMT) | 1 | 25 |
| RRF Preparation | 1.33 | 10 |
| EDRE | 1 | 10 |
| **Total Rounds Required** | | **272** |

**Table 2–5**
**Annual Ammunition Requirement and Strategy for the M24 Sniper Rifle (CAT I)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | 7.62-mm Match | .50 Cal |
| DODIC | | A136 | A531 |
| Sustainment | 2 | | 40 |
| Zero | 12 | 27 | |
| Familiarization | 12 | 6 | |
| Zero | 12 | 27 | |
| Record/Qualification | 4 | 60 | |
| Night Record Fire | 4 | 15 | |
| Squad/Platoon LFX | 6 | 86 | |
| CALFEX | 2 | 21 | |
| Major Exercise | 1 | 21 | |
| JRX | 1.33 | 21 | |

**Table 2–5**
**Annual Ammunition Requirement and Strategy for the M24 Sniper Rifle (CAT I)—Continued**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | 7.62-mm Match | .50 Cal |
| DODIC | | A136 | A531 |
| AMT | 1 | 86 | |
| RRF Preparation | 1.33 | 20 | |
| **Total Rounds Required** | | **1416** | **80** |

**Table 2–6**
**Annual Ammunition Requirement and Training Strategy for the M203 Grenade Launcher (CAT 1)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | FREQ | HE | T | WSP |
| DODIC | | B546 | B519 | B535 |
| Zero | 2 | | 6 | |
| Record/Qualification | 2 | | 12 | |
| Night Practice Fire | 2 | 3 | | |
| Squad/Platoon LFX | 6 | | 18 | 4 |
| CALFEX | 2 | 4 | 18 | 4 |
| Company FTX/DFT | 2 | | 18 | 4 |
| EXEVAL | 1 | | 18 | 4 |
| Major Exercise | 1 | | 18 | 4 |
| JRX | 1.33 | | 18 | 4 |
| RRF Preparation | 1.33 | 3 | | |
| EDRE | 1 | | 18 | |
| **Total Rounds Required** | | **18** | **294** | **53** |

**Table 2–7**
**Annual Ammunition Requirement and Training Strategy for the M249 SAW**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | FREQ | BALL | MIX | BLANK |
| DODIC | | A062 | A064 | A075 |
| 10-m Zero/Practice[1] | 2 | 57 | | |
| 10-m Practice Qual[1] | 2 | 39 | | |
| 10-m Qual[1] | 2 | 42 | | |
| Practice Transition[1] | 2 | 9 | 195 | |
| Trans Qualification[1] | 2 | | 195 | |
| Night/Zero/Rec Fire[2] | 2 | 51 | 195 | |
| Squad/Platoon FTX | 2 | | | 800 |
| Squad / Platoon LFX | 6 | | 800 | |
| CALFEX | 2 | | 800 | |
| Company FTX/DFT | 2 | | 800 | 800 |
| Battalion FTX | 1 | | | 1000 |
| EXEVAL | 1 | | | 800 |
| Major Exercise | 1 | | | 800 |

**Table 2–7**
**Annual Ammunition Requirement and Training Strategy for the M249 SAW—Continued**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | FREQ | BALL | MIX | BLANK |
| DODIC | | A062 | A064 | A075 |
| JRX | 1.33 | | | 800 |
| BILAT | 2.67 | | | 800 |
| RRF Preparation | 1.33 | | 40 | |
| EDRE | 1 | | 800 | 400 |
| **Total Rounds Required** | | **396** | **10023** | **9400** |

Notes:
[1] Practice and Qualify in accordance with FM 23-14.
[2] Night zero and record fire in accordance with FM 23-14.

**Table 2–8**
**Annual Ammunition Requirement and Training Strategy for Hand Grenades**

| Event | FREQ | FRAG | FUZE | CONC |
|---|---|---|---|---|
| DODIC | | G881 | G878 | G911 |
| Live Grenade Throw | 1 | 1 | 3 | |
| Record / Qualification | 2 | | 4 | |
| Squad/Platoon LFX | 6 | 1 | 1 | 1 |
| CALFEX | 2 | 1 | | |
| Advance MOUT Training | 1 | 3 | 4 | |
| Total Rounds Required | | 12 | 21 | 6 |

**Table 2–9**
**Annual Ammunition Requirement and Training Strategy for the AT-4 (CAT I)**

| Event | Freq | 9 mm | ATWESS | HEAT |
|---|---|---|---|---|
| DODIC | | A358 | L367 | C995 |
| Field Fire[1] | 2 | 24 | | |
| Record/Qualification[2] | 2 | 14 | | |
| Squad/Platoon FTX | 2 | | 5 | |
| Squad/Platoon LFX | 6 | | | 2 |
| CALFEX | 2 | | 5 | 1 |
| Company FTX/DFT | 1 | | | 1 |
| Battalion FTX | 1 | | | 1 |
| EXEVAL | 1 | | 5 | |
| RRF Preparation | 1.33 | 12 | | |
| Total Rounds Required[3] | | 92 | 25 | 16 |

Notes:
[1] Qualification Table I (12 rounds) and Table II (12 Rounds)
[2] Qualification Table III (8 Rounds) and Table IV (6 Rounds)
[3] There are 48 rifle/weapon squads per Ranger Battalion; therefore, 96 Rangers must qualify with the AT-4 semiannually.

**Table 2–10**
**Annual Ammunition Requirement and Training Strategy for the M240B**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A143 | A131 | A111 |
| Preliminary Marksmanship Gunner/AG/AB | 2 | | | |
| 10 Meter Zero/Practice | 2 | 351[1] | | |
| 10 Meter Record | 2 | 357[1] | | |
| Transition Zero/Practice | 2 | | 546[1] | |
| Transition Record | 2 | | 462[1] | |
| Night/Zero/Prac/Rec Fire | 2 | | 588[1] | |
| Squad/Platoon FTX | 2 | | 600[2] | 400 |
| Squad/Platoon LFX | 6 | | 800 | 600 |
| CALFEX | 2 | | 600[2] | 400 |
| Company FTX/DFT | 2 | | 600[2] | 400 |
| Battalion FTX | 2 | | | 600 |
| EXEVAL | 1 | | 800[2] | 400 |
| Major Exercise | 1 | | 600[2] | 400 |
| JRX | 1.33 | | | 400 |
| BILAT | 2.67 | | | 400 |
| RRF Preparation (G/AG/AB) | 1.33 | 54 | | |
| EDRE | 1 | | 800 | 400 |
| **Total Rounds Required** | | **1488** | **13792** | **10000** |

Notes:
[1] Gunner, Assistant Gunner, and Ammunition Bearer will qualify on all tables.
[2] Ranger live-fire exercises will consist of a day blank-fire rehearsal, a day live fire, a night blank-fire rehearsal, and a night live fire, all of which must be executed to standard.

**Table 2–11**
**Annual Ammunition Requirement and Training Strategy for the M2 HB MG (CAT 1)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A555 | A557 | A598 |
| 10-Meter Zero/Practice | 2 | 234[2] | | |
| 10-Meter Record Fire | 2 | 238[2] | | |
| Transition Zero/Practice | 2 | | 364[2] | |
| Transition Record | 2 | | 308[2] | |
| NBC Zero/Record | 2 | | 364[2] | |
| Night Zero/Practice | 2 | | 360[2] | |
| Night Record | 2 | | 308[2] | |
| Squad/Platoon FTX | 2 | | | 400 |
| Squad/Platoon LFX | 2 | | 1200[3] | 200 |
| CALFEX | 1 | | 400[3] | 100 |
| Battalion FTX/DFT | 1 | | | 200 |
| Major Exercise | 1 | | | 200 |
| JRX | 1.33 | | | 200 |

**Table 2–11**
**Annual Ammunition Requirement and Training Strategy for the M2 HB MG (CAT 1)—Continued**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A555 | A557 | A598 |
| BILAT | 2.67 | | 200[3] | 100 |
| RRF Preparation (G/AG) | 1.33 | 234 | | |
| **Total Rounds Required** | | **1255** | **6742** | **2233** |

Notes:

[1] NBC and Night Record fires are required for qualification in accordance with FM 23-65.

[2] DA PAM 350-39 requires that both the Gunner and AG qualify semi-annually.

[3] Ranger live-fire exercises will consist of a day blank fire rehearsal, a day live fire, a night blank fire rehearsal, and a night live fire, all of which must be executed to standard.

**Table 2–12**
**Annual Ammunition Requirement and Training Strategy for the MK 19 GMG**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | TP | HE | HEDP |
| DODIC | | B584 | B571 | B542 |
| Familiarization | | | | 18 |
| Primary Marksmanship Training | 4 | | | |
| Gunnery Skills Test | 4 | | | |
| Table 1 (Instructional Fire Ex) | 2 | 26[1] | | |
| Table 2 (Dismount Range Card Ex) | 2 | 42[1] | | |
| Table 3 (Mounted Combat Ex) | 2 | 26[1] | | |
| Table 4 (Night Fire Ex) | 2 | 22[1] | | |
| Table 5 (Dismount Range Card Qual) | 2 | 42[1] | | |
| Table 6 (Mounted Combat Qual) | 2 | 26[1] | | |
| Table 7 (Night Fire Qual) | 2 | 22[1] | | |
| Moving Target Familiarization | 2 | 32 | | |
| Assistant Gunner Qual (All tables) | 2 | 206[2] | | |
| Crew Familiarization (5 men) | 2 | | 96 | |
| Squad/Platoon LFX | 2 | 60 | | |
| CALFEX | 2 | 60 | | |
| EXEVAL | 1 | | 96[3] | |
| Major Exercise | 1 | | 96[3] | |
| JRX | 1.33 | | | |
| BILAT[4] | 2.67 | | | |
| RRF Preparation (G/AG) | 1.33 | 5 | | |
| EDRE | 1 | | 96[3] | |
| Total Rounds Required | | 1135 | 480 | 18 |

Notes:

[1] Instruction and Record Fire in accordance with FM 23-27 (Tables 1-7)

[2] Assistant gunner qualifies with same tables as the gunner.

[3] HE fired on LFXs (2 cans of 48 rounds per gun)

[4] Bilat HE deleted.

**Table 2–13**
**Annual Ammunition Requirement and Training Strategy for the 60-mm Mortar**

| | | Rounds Required | | | |
|---|---|---|---|---|---|
| Event | Freq | HE | WP | SRTR | Illum |
| DODIC | | B642 | B630 | B645 | B627 |
| Crew drill / FDC Training | 12 | | | | |
| Gunner Examination | 2 | | | | |
| Qualification /Sustainment LFX[1] | 2 | 18 | 5 | | 10[2] |
| CALFEX | 2 | 18 | 5 | | 7 |
| EXEVAL | 3 | 39 | 5 | | 7 |
| MORTEP[3] | 1 | 30 | 5 | | 7 |
| EDRE | 1 | 18 | 5 | | 7 |
| SRTR | 1 | | | 49 | |
| **Total Rounds Required** | | **237** | **45** | **49** | **69** |

Notes:
[1] Qualification/Sustainment LFXs are required to validate crew drill and to ensure RTC 350-1 requirement of one LFX quarterly is met.
[2] Increases in Illum due to coordinated illumination missions.
[3] Mortar ARTEP (MORTEP) is an annual requirement.

**Table 2–14**
**Annual Artillery Ammunition Requirement and Training Strategy for CMF 13F Ranger Fire Support Personnel[1]**

| | | Rounds Required | | | |
|---|---|---|---|---|---|
| Event | Freq | HE | WP | SMK | ILLUM |
| DODIC | | C443 | C454 | C452 | C449 |
| TSFO | 12 | | | | |
| Low Angle Adjust | 2 | 9 | | | |
| Immediate Suppression | 2 | 6 | | | |
| Coordinated Illumination | 2 | 6 | | | 20 |
| Build & Maintain a Smoke Screen | 2 | | 2 | 6 | |
| SEAD | 2 | 9 | | | 1 |
| Danger Close[2] | 2 | 6 | | | |
| **Total Rounds Required** | | **72** | **4** | **12** | **42** |

Notes:
[1] Thirty-two CMF 13F Rangers are assigned to each of the three Ranger Battalions and six CMF 13F Rangers are assigned to the Regimental Fire Support Element. All assigned 13F Rangers will accomplish the tasks above.
[2] A RTC 350-1 Requirement.

**Table 2–15**
**Pyrotechnics Requirements**

| | Freq | 2 | 6 | 2 | 1 | 1 | 4 | 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DODIC | NOMENCLATURE | SQD PLT FTX | SQD PLT FTX | CALFEX | CO/BN FTX DFT | EXEVAL | JRX BILAT | AMT | BN TOT | RHQ TOT |
| G930 | GREN SMK HC | 30 | 30 | 30 | 25 | 25 | 25 | | 450 | 50 |
| G940 | GREN SMK GRN | 20 | 15 | 15 | 15 | 15 | 15 | | 250 | 50 |
| G945 | GREN SMK YEL | 20 | 15 | 15 | 15 | 15 | 15 | | 250 | 50 |
| G950 | GERN SMK RED | 2 | 2 | 2 | 2 | 2 | 2 | | 32 | 8 |

**Table 2–15**
**Pyrotechnics Requirements—Continued**

| | Freq | 2 | 6 | 2 | 1 | 1 | 4 | 4 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| DODIC | NOMENCLATURE | SQD PLT FTX | SQD PLT FTX | CALFEX | CO/BN FTX DFT | EXEVAL | JRX BILAT | AMT | BN TOT | RHQ TOT |
| G955 | GREN SMK VIOL | 15 | 15 | 10 | 10 | 10 | 10 | | 200 | 50 |
| G963 | GREN SMK CS | 2 | 2 | 0 | 0 | 2 | 1 | | 22 | 10 |
| K768 | RIOT CON AGENT | 0 | 0 | 0 | 0 | 5 | 0 | | 5 | 0 |
| K867 | SMK POT FIT | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 30 | 8 |
| L116 | KIT FLR RED | 20 | 20 | 20 | 20 | 20 | 20 | | 320 | 30 |
| L117 | KIT FLR MIX | 20 | 20 | 20 | 20 | 20 | 20 | | 320 | 30 |
| L275 | SMK MARINE | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 10 |
| L305 | SIG ILL GRN PARA | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L306 | SIG ILL RED PARA | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L307 | SIG ILL WHT PARA | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L311 | SIG ILL RED STAR | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L312 | SIG ILL WHT STAR | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L314 | SIG ILL GRN STAR | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 50 |
| L494 | SIM PROJ GND BURST | 50 | 50 | 50 | 50 | 50 | 50 | | 800 | 20 |
| L495 | FLR SURF TRIP | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 20 |
| L596 | SIM ARTY FLSH | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 500 | 15 |
| L598 | SIM BOOBY TRAP FLSH | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 500 | 15 |
| L599 | SIM BOOBY TRAP ILL | 20 | 20 | 20 | 20 | 20 | 20 | | 320 | 15 |
| L600 | SIM BOOBY TRAP WHST | 15 | 15 | 15 | 15 | 15 | 15 | | 240 | 60 |
| L601 | SIM HAND GRN | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 1000 | 20 |
| L630 | SIM PROJECT AIR BURST | 25 | 25 | 25 | 25 | 25 | 25 | | 400 | 10 |

**Table 2–16**
**Annual Ammunition Requirement and Training Strategy for the M18A1 Claymore Mine**

| | | | Rounds Required | |
|---|---|---|---|---|
| Event | Freq | Inert | M18A1 | |
| DODIC | | K139 | K143 | |
| Familiarization | 1 | X | | |
| Squad/Platoon FTX | 2 | X | | |
| Squad/Platoon LFX | 6 | | 3[1] | |
| CALFEX | 2 | | 1[1] | |
| Company FTX/DFT | 1 | | 3[1] | |
| Battalion FTX | 3 | X | | |
| EXEVAL | 3 | X | 3[1] | |
| JRX | 1.33 | | 1[1] | |
| **Total Rounds Required** | | | **Sqd** | **36[1]** |
| | | | **Bn** | **1188[2]** |

Notes:
[1] Mines per squad (x 33 squads)
[2] Rounds required per battalion

**Table 2–17**
**Annual Ammunition Requirement for Ranger Demolition Teams**

| | | | Munitions | |
|---|---|---|---|---|
| Item | DODIC | Rounds per team | Freq | Annual Requirement |
| Shape Charge (15 or 40 lb) | M420 | | 1 | 9 |
| Cratering Charge (40 lb) | M039 | | 1 | 27 |
| M1A1 Firing Device | ML03 | 2 | 1 | 54 |
| M5 Firing Device | ML27 | 2 | 1 | 54 |
| M1 Firing Device | M630 | 2 | 1 | 54 |
| Grenade WP | G935 | 2 | 1 | 54 |
| Bangalore Torpedo[2] | M028 | 2 | 1 | 27 |
| Demolitions TNT (1/4 lb)[3] | M030 | 34 | 1 | 918 |
| Demolitions C4 (1 1/4 lb)[3] | M023 | 67 | 1 | 1809 |
| Detonating Cord (ft) | M456 | 336 | 1.5[4] | 13608 |
| Time or Safety Fuse (ft) | M670 | 160 | 1.5[4] | 6480 |
| Fuse Ignitor[5] | M766 | 28 | 1 | 831[5] |
| Electric Blasting Cap | M130 | 62 | 1 | 1674 |
| Nonelectric Blasting Cap | M131 | 42 | 1 | 1134 |
| Igniter, Time Blasting Fuze[5] | MN08 | 28 | 1 | 831 |
| Holder, Cap Blasting and Shock Tube | ML45 | | 1 | 300 |
| Cap Blasting, Nonelectric, 30 ft (ea) Shock Tube | ML47 | 8 | 1 | 216 |
| Cap Blasting, Nonelectric, 500 ft (ea) Shock Tube | MN02 | 8 | 1 | 216 |
| Cap Blasting, Nonelectric, Delay 7.5 ft (ea) | MN06 | 8 | 1 | 216 |

Notes:
[1] Each squad will have four members for a basic demolition team. Each Battalion will have 27 basic demolition teams.
[2] Five sections of the Bangalore kit will be used for each iteration.
[3] C4 and TNT may be substituted for each other, on a pound-for-pound basis.
[4] Increased frequency to account for demolition team sustainment training conducted during LFXs as well as advanced MOUT training (AMT).
[5] Additional fuse ignitors (10 percent) are required for rehearsals and test burns.

# Chapter 3
# Special Forces—Active and Reserve Components

## Section I
## Training Programs

### 3–1. General
This chapter provides standards, training strategies and resource requirements for weapons to be used by Active Component (AC) and Reserve Component (RC) Special Forces units. The training programs provided are specifically designed for each weapon system within Special Forces units. Each program contains a strategy and standard that outlines the training resources and includes suggested frequencies of live fire, subcaliber and use of devices.

### 3–2. Objective
The objective is to assist the commanders in attaining and sustaining acceptable levels of weapons and tactical proficiency in support of Special Forces missions. The training programs provide a method to attain and sustain weapon proficiency throughout the training year.

### 3–3. Training programs
Special Forces units are divided into two categories for planning and resourcing. Category I consists of operational detachments (OD)A, (OD)B, Support Operational Team A (SOTA), Chemical Reconnaissance Detachments (CRD) and Tactical Air Control Party (TACP). Category II consists of Group Headquarters, Headquarters and Headquarters Company, Battalion support assets.

### 3–4. Training strategies
The resource strategies in this chapter are based on exercises in FMs, STPs, MTPs, and USASFC(A) Reg 350-1. All Category I personnel are required to participate in at least three (OD) LFXs annually (AC) or 36 months (RC). This chapter addresses the resourcing of the LFXs; however, the specifics of each LFX will not be addressed in this manual. For specific information, consult the appropriate training publications.

## Section II
## Assigned Weapon Training Strategies

### 3–5. TOW missile
*a. Standard (Category 1).* MOS 18B/C assigned to an ODA and ODB will familiarize and conduct instructional fire in accordance with FM 23-34. MOS 18B/C will conduct missile live-fire training within 12 months (AC) or 36 months (RC). Missile live-fire training is to be conducted at company level or higher to maximize resources.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-1.

### 3–6. Dragon

*a. Standard (Category I).* MOS 18B/C assigned to an ODA and ODB will familiarize and conduct instructional fire in accordance with FM 23-14 within 12 months (AC) or 36 months (RC). MOS 18B/C will witness the firing and tracking of a live missile within 12 months (AC) or 36 months (RC). Missile live-fire training will be conducted at company level or higher to maximize resources.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-2.

### 3–7. Recoilless rifles (RCRL), 106-mm

*a. Standard (Category I).* MOS 18B assigned to an ODA and ODB will conduct instructional fire on RCRL 106-mm within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training required.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-3.

### 3–8. AT-4

*a. Standard (Category I).* MOS 18B/C assigned to an ODA and ODB will conduct instructional fire within 12 months (AC) or 36 months (RC). Missile live-fire training will be conducted at company level, or higher, to maximize resources.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-4.

### 3–9. LAW

*a. Standard (Category I).*

(1) MOS 18B/C assigned to an ODA and ODB will conduct instructional fire within 12 months (AC) or 36 months (RC).

(2) All ODA, ODB SOTA, SOTB, and CRD detachments will conduct instructional fire and participate in 3 LFXs within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-5.

### 3–10. Mortars 60-mm, 81-mm, 120-mm

*a. Standard (Category I).* All personnel assigned to an ODA and ODB will conduct instructional fire within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in tables 3-6, 3-7, 3-8.

### 3–11. M2 HB Machine Gun

*a. Standard (Category I).*

(1) MOS 18B assigned to an ODA and ODB will conduct instructional fire within 12 months (AC) or 36 months (RC).

(2) All assigned gunners and assistant gunners as part of a mounted ODA will qualify every 6 months (AC) in accordance with FM 23-65. All assigned gunners will conduct at least 3 LFXs (as part of a mounted ODA) within 12 months.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-9.

### 3–12. M60 Machine Gun

*a. Standard (Category I).* All personnel will conduct instructional firing in accordance with FM 23-67 within 12 months (AC) or 36 months (RC).

*b.* Standard (Category II). All assigned personnel will conduct instructional fire in accordance with FM 23-67 within 12 months(AC) or 36 months(RC).

*c. Training strategy.* Recommended training strategies and ammunition resourcing are given table 3-10.

### 3–13. M249 Squad Automatic Weapon

*a. Standard (Category I).*

(1) MOS 18B/C assigned to an ODA or ODB will qualify in accordance with FM 23-14 within 6 months (AC) or 12 months (RC). Each ODA will conduct at least 3 LFXs within 12 months (AC) or 36 months (RC).

(2) All non-assigned personnel will conduct instructional firing within 12 months (AC) and (RC).

*b. Standard (Category II).*

(1) All assigned gunners and assistant gunners will qualify in accordance with FM 23-14 within 12 months (AC) and (RC)

(2 ) All non-assigned personnel will conduct instructional firing within 12 months (AC) and (RC).

*c. Training strategy.* Recommended training strategies and ammunition resourcing are given table 3-11.

### 3–14. M16A2/M4 rifle

*a. Standard (Category I).* All personnel assigned the M16A2 Rifle/M4 Carbine will qualify within 6 months (AC) and 12 months (RC) in accordance with FM 23-9. All personnel will conduct at least 3 LFXs within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* All personnel assigned the M16A2/M4 Carbine will qualify within 6 months (AC) and 12 months (RC), in accordance with FM 23-9.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-12.

### 3–15. M24 sniper rifle

*a. Standard (Category I).* All designated snipers will conduct sustainment training, familiarization fire and qualify in accordance with table 3-13.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-13.

### 3–16. M203 grenade launcher

*a. Standard (Category I).*

(1) All assigned gunners will qualify within 6 months (AC) and 12 months (RC) in accordance with FM 23-3l. All assigned gunners will conduct at least 3 LFXs within 12 months (AC) or 36 months (RC).

(2) All non-assigned gunners will conduct instructional fire within 12 months (AC) or 36 months (RC) in accordance with FM 23-31.

*b. Standard (Category II)*

(1) All assigned gunners will qualify within 6 months (AC) and 12 months (RC) in accordance with FM 23-31.

(2) All non assigned gunners will conduct instructional fire within 12 months (AC) or 36 months (RC) in accordance with FM 23-31.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-14.

### 3–17. Pistols, 9-mm/.45 cal/.38 cal

*a. Standard (Category I).* All personnel assigned a weapon will qualify within 6 months (AC) and 12 months (RC) in accordance with FM 23-35.

*b. Standard (Category II).*

(1) All personnel assigned a weapon will qualify within 6 months (AC) and 12 months (RC) in accordance with FM 23-35.

(2) Non-assigned personnel will conduct instructional fire within 12 months (AC) or 36 months (RC).

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-15.

### 3–18. Hand grenade

*a. Standard (Category I).* All MOS 18 Series, SOTA, SOTB and CRD personnel will throw a live fragmentation hand grenade within 12 months (AC) and (RC). All operational detachments will conduct at least 3 LFXs within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* All personnel will train on the instructional practice course within 12 months (AC) and (RC).

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-16.

### 3–19. M18A1/A2 Claymore mine

*a. Standard (Category I).*

(1) All 18-series personnel assigned to an ODA or ODB will place and detonate one live M18A1/A2 mine within 12 months (AC) or 36 months (RC).

(2) All other personnel will arm and disarm one inert Claymore mine within 12 months (AC) and (RC).

*b. Standard (Category II).* All personnel will arm and disarm one inert Claymore mine within 12 months (AC) and (RC).

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-17 and 3-25.

### 3–20. MK 19

*a. Standard (Category I).*

(1) All personnel will conduct instructional fire within 12 months (AC) or 36 months (RC).

(2) All assigned gunners and assistant gunners will qualify every 6 months (AC); no requirement for (RC) in accordance with FM 23-27. All assigned gunners will conduct at least 3 LFXs as part of a mounted detachment within 12 months (AC); no requirement for (RC).

*b. Standard (Category II).* All assigned gunners and assistant gunners will qualify within 12 months (AC) or 36 months (RC) in accordance with FM 23-27.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-18.

## Section III
## Nonstandard Weapon Training Strategies

### 3–21. Pistols/revolvers

*a. Standard (Category I).* MOS 18-Series personnel will load, fire, reduce a stoppage, and clear the weapons listed in table 3-19 in accordance with STP 31-18-SM-TG within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategies and ammunition requirements are given in table 3-19.

*d. Weapon Certification (Foreign).* All foreign weapons must be certified for firing every 12 months. Ammunition required for certification are given in table 3-19.

### 3–22. Submachine guns

*a. Standard (Category I).* MOS 18 Series personnel will load, fire, reduce a stoppage, and clear the weapons listed in table 3-20 in accordance with STP 31-18-SM-TG within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategies and ammunition requirements are given in table 3-20.

*d. Weapon certification (foreign).* All foreign weapons must be certified for firing every 12 months. Ammunition required for certification are given in table 3-20.

### 3–23. Rifles

*a. Standard (Category I).* MOS 18-Series personnel will load, fire, reduce a stoppage, and clear the weapons listed in table 3-21 in accordance with STP 31-18-SM-TG within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategies and ammunition requirements are given in table 3-21.

*d. Weapon certification (foreign).* All foreign weapons must be certified for firing every 12 months. Ammunition required for certification are given in table 3-21.

### 3–24. Machine guns

*a. Standard (Category I).* MOS 18-series personnel will load, fire, reduce a stoppage, and clear the weapons listed in table 3-21 in accordance with STP 31-18-SM-TG within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategies and ammunition requirements are given in table 3-22.

*d. Weapon certification (foreign).* All foreign weapons must be certified for firing every 12 months. Ammunition required for certification are given in table 3-22.

### 3–25. Pyrotechnics

Pyrotechnics to be used during battalion training is in table 3-23. Annual resourcing requirements for RC units will be .5 x column value per each RC unit.

### 3–26. Combat training centers (CTC) rotation

CTC ammunition requirements for units are listed in table 3-24 and 3-24a.

### 3–27. Engineer weapon systems

*a. General.* This section provides training standards, strategies, and resource requirements to conduct training with demolition and mines. Personnel in an ODA are divided into the following groups:

(1) All ODA members.

(2) MOS 18C personnel in an ODA.

*b. Training programs.* Training strategies are established for each task to be accomplished by an ODA. The standards are supported by training strategies that, if followed, will enable the commander to attain and sustain the demolition proficiency of his soldiers. Resources are applied to the standards and strategies as written. The commander has the flexibility to modify both the training strategy and use of resources as long as the training standards are met.

*c. Munitions.* The quantities of munitions required annually is given in table 3-25, for one iteration of the task to be accomplished by personnel of the ODA are summarized in subparagraph *e*.

*d. Programs for ODA members, Group I.*

(1) *Training standards.* Training standards are given below. Recommended training strategies for all tasks are given in table 3-25.

(2) *Demolition Standard.*

*(a)* All ODA personnel will perform each task listed below and prime live demolition for live fire to FM 5-250 standards and within STP 31-18-SM-TG and STP 31-18C3/4-SM-TG standards within 12 months.

- 051-193-1002—Construct a Nonelectric Demolition Firing system.
- 051-193-1004—Construct an Electric Demolition firing system.
- 051-193-1009—Construct a Detonating Cord Firing System.
- 051-193-1011—Install a Dual Firing System.
- 051-193-3038—Install Booby Traps.
- 051-193-3050—Calculate and Designate Placement of Timber Cutting Charges.
- 051-193-3051—Calculate and Designate Placement of Steel Cutting Charges.
- 331-922-0502—Employ the M2A1 8-Second Delay Percussion Detonator.
- 331-922-0503—Employ the M2A1 15-Second Delay Percussion Detonator.
- 331-922-0504—Employ the M1 Delay Firing Device (Time Pencil).
- 331-922-0505—Employ Civilian Explosives.
- 051-193-2028—Neutralize Obstacles.
- 051-193-3052—Calculate and Designate Placement of Breaching Charges.
- 051-193-3053—Calculate Explosives and Designate Placement of Cratering Charges.
- 331-922-0009—Prepare and Employ a Demolition Ambush.
- 331-922-0010—Prepare and Employ Expedient Munitions.
- 331-922-0500—Employ M10 Universal Explosive Destructor.

- 331-922-0501—Employ M19 Explosive Destructor
- 331-922-0506—Construct and Employ Expedient Charges (shape, dust initiator, platter, ammonium nitrate satchel, cratering and grapeshot).

(3) *Antitank, antipersonnel mine standard.* All ODA personnel will perform each task listed below and witness the priming and detonating of a live mine in accordance with FM 20-32 standards and within STP 31-18C3/4-SM-TG within 12 months.

*Note.* Resources are given in table 3-25.

- 051-192-1002—Install/Remove the M16A1 Bounding Fragmentation Mine. (Korea only)
- 051-192-1026—Install/Remove the M2 series (M2A4) Bounding AP Mine
- 051-192-1004—Install/Remove the M25 Blast AP Mine
- 331-922-0507—Install/Remove the M3 Blast AP Mine.
- 051-192-1006—Install/Remove the M15 AT Mine.
- 051-192-1007—Install/Remove the M19 AT Mine.
- 051-192-1008—Install/Remove the M21 AT Mine.
- 051-192-1028—Install/Disarm and Package the M24 AT Mine.
- 051-192-2009—Install/Remove the M1 One-Gallon Chemical Mine with an Electric Detonating Assembly.
- 051-192-2010—Install/Remove the M23 AP Chemical Mine.

(4) *Minefields.* All ODA personnel will perform each task listed below and arm an inert minefield according to FM 20-32 standards and within STP 31-18C3/4-SM-TG standards within 12 months.

- 051-192-1014—Install/Remove US Antihandling Devices on AT Mines.
- 051-192-3030—Direct a Minefield Laying Party.
- 051-192-3032—Direct Installation /Removal of a Hasty Protective Minefield

### 3–28. Rocket propelled grenades

*a. Standard (Category I).* MOS 18B assigned to an ODA and ODB will conduct instructional fire on RPG 7 and 18 within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training required.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-26.

### 3–29. Close-quarters combat

*a. Standard (Category I).* All personnel assigned to a Company designated with a Theater-directed (CQC) mission will conduct sustainment training and qualify every quarter in accordance with table 3-27 and ST 31-20-6-1.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resources are given in table 3-27.

### 3–30. Recoilless rifles (RCRL), 84-mm

*a. Standard (Category I).* MOS 18B assigned to an ODA and ODB will conduct instructional fire on RCRL 84-mm within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training required.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-28.

### 3–31. Recoilless rifles, 90-mm

*a. Standard (Category I).* MOS 18B/C will conduct instructional fire on RCRL 90-mm within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training required.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-29.

### 3–32. Stinger

*a. Standard (Category I).*

(1) All 18B/C will conduct instructional training with the Stinger trainer launch simulator (STLS) within 12 months (AC) or 36 months (RC).

(2) MOS 18B will conduct missile live-fire training within 12 months (AC) or 36 months (RC). Missile live-fire training will be conducted at company level or higher.

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategies and ammunition requirements are in table 3-30.

### 3–33. Mortars, 107-mm

*a. Standard (Category I).* MOS 18B/C personnel assigned to an ODA and ODB will conduct instructional fire within 12 months (AC) or 36 months (RC).

*b. Standard (Category II).* No training requirement.

*c. Training strategy.* Recommended training strategy and ammunition resourcing are given in table 3-31.

**Table 3–1**
**Annual Ammunition Requirement and Training Strategy for the TOW (Cat I)**

| EVENT | AC/RC | M80 | HEAT |
|---|---|---|---|
| DODIC | | L592[1] | PV04[1] |
| GUNNER TRAINING | 1/.33 | | |
| PRACTICE TRACKING PER 18B/C | 1/.33 | 18 | |
| INSTRUCTIONAL FIRE /OBSERVED LIVE FIRE PER (COMPANY) | 1/.33 | | 2 PER CO |
| **TOTAL RDS BN (75) PERSONNEL** | **AC/RC** | **1350/450** | **6/2 PER BN** |

Notes:
[1] USASOC procurement item after DA Training Stocks are depleted.

**Table 3–2**
**Annual Ammunition Requirement and Training Strategy for the Dragon (Cat I)**

| EVENT | AC/RC | M80 | HEAT |
|---|---|---|---|
| DODIC | | L592[1] | PB22/23[1] |
| GUNNER TRAINING | 1/.33 | | |
| PRACTICE TRACKING PER 18B/C | 1/.33 | 20 | |
| INSTRUCTIONAL FIRE /OBSERVED LIVE FIRE PER (COMPANY) | 1/.33 | | 2 PER CO |
| TOTAL RDS BN (75) PERSONNEL | AC/RC | 1500/500 | 6/2 PER BN |

Notes:
[1] USASOC procurement item after DA Training Stocks are depleted.

**Table 3–3**
**Annual Ammunition Requirement and Training Strategy for the 106-mm RCRL (Cat I)**

| EVENT | AC/RC | .50 CAL TRACER | HEAT |
|---|---|---|---|
| DODIC | | A574 | C650[1] |
| DRY FIRE | 1/.33 | | |
| INSTRUCTIONAL FIRING PER 18B | 1/.33 | 5 | 3 |
| TOTAL INDIVIDUAL 18B | AC/RC | 5[2] | 3/1 |

Notes:
[1] USASOC procurement item after DA training stocks are depleted.
[2] In accordance with paragraph 3-7a, RC is authorized five rounds for instructional fire every 36 months.

**Table 3–4**
**Annual Ammunition Requirement and Training Strategy for the AT-4 (Cat I)**

| EVENT | AC/RC | 9-mm | M80 | HEAT |
|---|---|---|---|---|
| DODIC | | A358 | L592 | C995 |
| GUNNER TRAINING | 1/.33 | | | |
| PRACTICE TRACKING PER 18B/C | 1/.33 | 12 | 20 | |
| INSTRUCTIONAL FIRE /OBSERVED LIVE FIRE PER (COMPANY) | 1/.33 | | | 2 |
| TOTAL INDIVIDUAL 18B/C | AC/RC | 12/4 | 20/6 | |
| TOTAL BN (75) 18B/C | AC/RC | 900/300 | 1500/500 | 6/2 |

**Table 3–5**
**Annual Ammunition Requirement and Training Strategy for the M72 LAW (Cat I)**

| EVENT | FREQAC/RC | M73 | ATWESS | HEAT |
|---|---|---|---|---|
| DODIC | | H708 | L367 | H557[1] |
| INSTRUCTIONAL FIRE PER DET | 1/.33 | | | |
| INSTRUCTIONAL FIRE PER 18B/C | 1/.33 | 3 | 10 | |
| LFX PER DETACHMENT | 3/.33 | 1 | | 1 |
| TOTAL RDS PER DETACHMENT | AC/RC | 4/1 | 40/13 | 4/1 |
| TOTAL RDS PER BN | AC/RC | 100/33 | 1000/325 | 100/33 |

Notes:
[1] USASOC procurement item after DA training stocks are depleted.

**Table 3–6**
**Annual Ammunition Requirement and Training Strategy for the 60-mm Mortar (Cat I)**

| EVENT | AC/RC | HE | WP | ILLUM | SRTR[1] |
|---|---|---|---|---|---|
| DODIC | | B642 | B646 | B647 | B645 |
| INSTRUCTIONAL FIRE COMPANY | 1/.33 | 504/168 | 72/24 | 45/15 | 17/17 |
| TOTAL ROUNDS COMPANY | AC/RC | 504/168 | 72/24 | 45/15 | 17/17 |
| TOTAL RDS REQUIRED PER BN | AC/RC | 1512/504 | 216/72 | 135/45 | 51/51 |

Notes:
[1] SRTR is refurbished nine times before replacing. Recommend 15 refurbishment kits (B653) per each (B645) cartridge requested. The tool kit (M880/M766), available at all stations, is required for recovery and refurbishment of M766 cartridge in accordance with TM 9-1315-252-12&P.

**Table 3–7**
**Annual Ammunition Requirement and Training Strategy for the 81-mm Mortar (Cat I)**

| EVENT | AC/RC | HE | WP | ILLUM | SRTR |
|---|---|---|---|---|---|
| DODIC | | C868/C256 | C870/C276 | C871/C226 | C876 |
| INSTRUCTIONAL FIRE COMPANY | 1/.33 | 386/128 | 118/39 | 67/22 | 21/7 |
| TOTAL ROUNDS COMPANY | AC/RC | 386/128 | 118/39 | 67/22 | 21/7 |
| TOTAL RDS REQUIRED PER BN | AC/RC | 1158/386 | 354/118 | 201/67 | 63/21 |

**Table 3–8**
**Annual Ammunition Requirement and Training Strategy for the 120-mm Mortar (Cat I)**

| EVENT | AC/RC | HE | WP | ILLUM | SRTR |
|---|---|---|---|---|---|
| DODIC | | C623 | C624 | C226(81-MM) | C876(81-MM) |
| INSTRUCTIONAL FIRE COMPANY | 1/.33 | 93/31 | 18/6 | 51/17 | 21/7 |
| TOTAL ROUNDS COMPANY | AC/RC | 93/31 | 18/6 | 51/17 | 21/7 |
| TOTAL RDS REQUIRED PER BN | AC/RC | 279/93 | 54/18 | 153/51 | 63/21 |

**Table 3–9**
**Annual Ammunition Requirement and Training Strategy for the M2 HB Machine Gun**

| EVENT | AC/RC | BALL | MIX | BLANK |
|---|---|---|---|---|
| DODIC | | A555 | A557 | A598 |
| PRELIMINARY MARKSMANSHIP TNG | 1/.33 | DRY FIRE | | |
| GUNNERS EXAM (DRY FIRE) | 1/.33 | | | |
| 10-METER ZERO/PRACTICE FIRE | 1/.33 | 117 | | |
| 10-METER RECORD FIRE | 1/.33 | 119 | | |
| TRANSITION ZERO/PRACTICE FIRE | 1/.33 | | 182 | |
| TRANSITION RECORD FIRE | 1/.33 | | 154 | |
| NIGHT ZERO/PRACTICE/ RECORD FIRE | 1/.33 | | 196 | |
| ASSIST GUN (AG) 10-M FIRE | 1/.33 | 236 | | |
| AG TRANSITION/NIGHT FIRE | 1/.33 | | 532 | |
| INSTRUCTIONAL FIRE | 1/.33 | | 100 | |
| ODA LIVE FIRE (PER WPN) | 3/.33 | | 200 | 200 |

**Table 3–9**
**Annual Ammunition Requirement and Training Strategy for the M2 HB Machine Gun—Continued**

| EVENT | AC/RC | BALL | MIX | BLANK |
|---|---|---|---|---|
| DODIC | | A555 | A557 | A598 |
| TOTAL ROUNDS REQUIRED BN | CAT I NON ASGN | | 3900/1300 | |
| | CAT I ASGN | 33,984/NA | 76,608/NA | |
| | CAT I ASGN LFXs | | 43,200/NA | 43,200/NA |
| | CAT II ASGN | | 2,128/709 | 1,888/629 |

**Table 3–10**
**Annual Ammunition Requirement and Training Strategy for the M60 Machine Gun**

| EVENT | AC/RC | BALL | MIX | BLANK |
|---|---|---|---|---|
| DODIC | | A143 | A131 | A111 |
| PRELIMINARY MARKSMANSHIP TNG | 1/.33 | (DRY FIRE) | | |
| GUNNERS EXAM (DRY FIRE) | 1/.33 | | | |
| 10-METER ZERO/PRACT FIRE | 1/.33 | 117 | | |
| 10-METER RECORD FIRE | 1/.33 | 119 | | |
| TRANSITION ZERO/PRACTICE FIRE | 1/.33 | | 182 | |
| TRANSITION RECORD FIRE | 1/.33 | | 154 | |
| NIGHT ZERO/PRACTICE/ RECORD FIRE | 1/.33 | | 196 | |
| ASSIST GUN (AG) 10-M FIRE | 1/.33 | 236 | | |
| AG TRANSITION/NIGHT FIRE | 1/.33 | | 532 | |
| INSTRUCTIONAL FIRING | 1/.33 | | 100 | |
| GP LEVEL EVENTS | 1/.33 | | | 5000 |
| TOTAL BN | CAT I | | 26,500/803 | |
| | CAT II GUN/AG | 472/157 | 1064/355 | |
| | ANNUAL TASKS | | | 5000/1666 |

**Table 3–11**
**Annual Ammunition Requirement and Training Strategy for the M249 SAW Machine Gun**

| EVENT | AC/RC | BALL | MIX | BLANK | |
|---|---|---|---|---|---|
| DODIC | CAT I/II | CAT I/II | A062 | A064 | A075 |
| PRELIMINARY MARKSMANSHIP TNG | 2/1 | 1/1 | (DRY FIRE) | | |
| 10-METER ZERO/PRACT FIRE | 2/1 | 1/1 | 117 | | |
| 10-METER RECORD FIRE | 2/1 | 1/1 | 119 | | |
| TRANSITION ZERO/ PRACTICE FIRE | 2/1 | 1/1 | | 182 | |
| TRANSITION RECORD FIRE | 2/1 | 1/1 | | 154 | |
| NIGHT ZERO/PRACTICE/ RECORD FIRE | 2/1 | 1/1 | 196 | | |
| INSTRUCTIONAL FIRING | 1/1 | 1/1 | | 100 | |
| LFXs PER ODA | 3/NA | 33/NA | | 500 | 500 |
| TOTAL ROUNDS REQUIRED | CAT I 18B/C | | | 236/(78) | 532/177 |
| | CAT I LFXs | | | 1500/500 | 1500/500 |
| | CAT I/II UNASGN | | | 100/100 | |

**Table 3–12**
**Annual Ammunition Requirement and Training Strategy for the M16A2 Rifle/Carbine**

| EVENT | AC/RC | BALL | TRACER | BLANK |
|---|---|---|---|---|
| DODIC | CAT I & II | A059 | A063 | A080 |
| PRELIMINARY MARKSMANSHIP TNG | 2/1 | | (DRY FIRE) | |
| ZERO | 2/1 | 18 | | |
| PRACTICE RECORD FIRE | 2/1 | 40 | | |
| RECORD FIRE | 2/1 | 40 | | |
| NBC PRACTICE FIRE | 2/1 | 20 | | |
| NBC RECORD FIRE | 2/1 | 20 | | |
| PRACTICE FIRE | 2/1 | 20 | 10 | |
| NIGHT RECORD FIRE | 2/1 | 20 | 10 | |
| NVG ZERO | 2/1 | 18 | | |
| ADV RIFLE MARKSMANSHIP | 2/1 | 100 | | |
| LFXs (PER WPN) | 3/.33 | 170 | 40 | 210 |
| TOTAL ROUNDS REQUIRED | CAT I | 1002/466 | 160/60 | 630/210 |
| | CAT II | 492/192 | 40/20 | |

**Table 3–13**
**Annual Ammunition Requirement and Training Strategy for the M24 Sniper Rifle (CAT I)**

| EVENT | AC/RC | MATCH | .50 CAL | .300 WIN |
|---|---|---|---|---|
| DODIC | | A171 | A531 | A191[1] |
| ZERO/CONFIRM ZERO | 4/1 | 20 | | |
| FIRE KNOWN DIST 200–1000 M | 4/1 | 100 | | |
| FIELD FIRE | 4/1 | 100 | | |
| LFX | 4/1 | 10 | | |
| FAM FIRE NIGHT/ZERO NVG | 2/1 | 40 | | |
| SUSTAINMENT (7.62-MM)<br>(.50 CAL)<br>(.300 WIN) | 2/1<br>2/1<br>2/1 | 40 | <br>40 | <br><br>40 |
| RECORD QUALIFICATION | 2/1 | 100 | | |
| TOTAL ROUNDS INDIVIDUAL | AC/RC | 1280/420 | 80 | 80 |
| TOTAL RDS BN | AC/RC | 46,080/15,360 | 2880/960 | 2880/960 |
| SOTIC LEVEL II TNG PROGRAM (BN) | 1/.33 | 12,160/4,053 | | |

Notes:
[1] USASOC procurement item.

**Table 3–14**
**Annual Ammunition Requirement and Training Strategy for the MM203 Grenade Launcher**

| EVENT | FREQ | | | | | | |
|---|---|---|---|---|---|---|---|
| | AC | RC | TP | HE | GSTR | RSTR | WSTR |
| DODIC | | | B519 | B546 | B504 | B505 | B535 |
| PRELIMINARY MARKSMANSHIP TRAINING | 2 | 1 | DRYFIRE | | | | |
| ZERO | 2 | 1 | 6 | | | | |

**Table 3–14**
**Annual Ammunition Requirement and Training Strategy for the MM203 Grenade Launcher—Continued**

| EVENT | FREQ | | | | | | |
|---|---|---|---|---|---|---|---|
| | AC | RC | TP | HE | GSTR | RSTR | WSTR |
| DODIC | | | B519 | B546 | B504 | B505 | B535 |
| INSTRUCTIONAL FIRE | 1 | 1 | 5 | | | | |
| QUALIFICATION FIRE | 2 | 1 | 12 | | | | |
| NIGHT RECORD FIRE | 2 | 1 | 3 | | | | |
| LFX PER DETACHMENT | 3 | .33 | 6 | 6 | 2 | 2 | 2 |
| TOTAL ROUNDS REQUIRED | CAT I ASSIGN | | 60/27 | 18/6 | 6/2 | 6/2 | 6/2 |
| | CAT I UNASSIGN | | 5/5 | | | | |
| | CAT II ASSIGN | | 42/21 | | | | |
| | CAT II UNASSIGN | | 5/5 | | | | |

Notes:
[1] TP rounds may be substituted for HE rounds.

**Table 3–15**
**Annual Ammunition Requirement and Training Strategy for the PISTOL**

| EVENT | AC/RC | BALL |
|---|---|---|
| DODIC | | A363/A475/A400 |
| PRELIMINARY MARKSMANSHIP INSTRUCTION | 2/1 | |
| INSTRUCTIONAL FIRE | 1/1 | 25 |
| PRACTICE FIRE | 2/1 | 50 |
| COMBAT PISTOL QUAL CRS | 2/1 | 40 |
| TOTAL ROUNDS REQUIRED | CAT I ASGN | 180/115 |
| TOTAL ROUNDS REQUIRED | CAT II ASGN | 180/115 |
| | CAT II UNASGN | 25 |

**Table 3–16**
**Annual Ammunition Requirement and Training Strategy for the M67 Hand Grenade**

| EVENT | FREQ AC/RC | | ROUNDS REQUIRED | |
|---|---|---|---|---|
| DODIC | CAT I | CAT II | G878 | G881 |
| INSTRUCTIONAL /QUAL CRS | 1/1 | 1/1 | 10 | |
| LIVE GRENADE THROW | 1/1 | N/A | | 1 |
| LFXs | 3/.33 | N/A | 2 | 2 |
| 263 PERSONNEL | CAT I LIVE | THROW | 2630/2630 | 263/263 |
| 25 DETACHMENTS | CAT I | LFXs | 150/50 | 150/50 |
| TOTAL REQUIRED (BN) | | | 2780/2680 | 413/313 |

**Table 3–17**
**Annual Ammunition Requirement and Training Strategy for the M18A1 Claymore**

| EVENT | FREQ | MINES | REQUIRED |
|---|---|---|---|
| DODIC | AC/RC | K139 | K143[1] |
| INSTRUCTION | 1/1 | X | |
| LIVE DETONATION ODA PERS | 1/.33 | | |

Notes:
[1] Live mines are resourced in table 3-25.

**Table 3–18**
**Annual Ammunition Requirement and Training Strategy for the MK 19 Machine Gun**

| | | ROUNDS REQUIRED | |
|---|---|---|---|
| EVENT | FREQ AC/RC | TP | HE |
| DODIC | | B584 | B542 |
| PRELIMINARY MARKSMANSHIP TRAINING | 1/.33 | DRY FIRE | |
| INSTRUCTIONAL FIRE | 1/.33 | 5 | 10 |
| ZERO/TRANSITION FIRE | 1/.33 | | 47 |
| TRANSITION FIRE | 1/.33 | | 42 |
| NIGHT RECORD | 1/.33 | | 24 |
| ASSIST GUNNER QUAL | 1/.33 | | 42 |
| ODA LFXs PER WPN | 3/NA | 50 | 50 |
| TOTAL REQUIRED GUNNER | | 5 | 123 |
| REQUIRED ASSIST GNR | | 5 | 52 |
| INSTRUCTIONAL FIRE W/DMVs (BN) 233 personnel | | 1165 | 4893 |
| INSTRUCTIONAL FIRE WO/DMVs (BN) 265 personnel | | 1325/441 | 5565/1855 |
| LFXs w/DMVs (BN) | | 2700/NA | 2700/NA |

**Table 3–19**
**Annual Ammunition Requirement and Training Strategy for the Non-Standard Pistols/Revolvers**

| EVENT | FREQ AC/RC | WPN CERT | 38 CAL | 45 CAL | 9-MM |
|---|---|---|---|---|---|
| DODIC | | | A400 | A475 | A363 |
| M10 | 1/.33 | 5 | 10 | | |
| P38 (9X19) | 1/.33 | 5 | | | 10 |
| M1911A1 | 1/.33 | 5 | | 10 | |
| BROWNING HIGH POWER | 1/.33 | 5 | | | 10 |
| GLOCK 17 | 1/.33 | 5 | | | 10 |
| P7M13 | 1/.33 | 5 | | | 10 |
| SIG SAUER P226 | 1/.33 | 5 | | | 10 |
| MARKAROV(PM) | 1/.33 | 5 | | | 10 |
| **TOTAL ROUNDS REQUIRED** | | | 10/3 | 10/3 | 60/20 |

**Table 3–20**
**Annual Ammunition Requirement and Training Strategy for the Non-Standard Sub Machine Guns**

| EVENT | FREQ AC/RC | WPN CERT | 45 CAL | 9-MM |
|---|---|---|---|---|
| DODIC | | | A475 | A363 |
| UZI (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| M3A1 | 1/.33 | 10 | 30 | |
| L2A3 (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| M12 (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| M45B (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| M50 (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| MP5A3 (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| VZ23 (9X19) PARABELLUM | 1/.33 | 10 | | 30 |
| MODEL 61 SKORPION | 1/.33 | 10 | | 30 |
| MKIII | 1/.33 | 10 | | 30 |
| WZ63 | 1/.33 | 10 | | 30 |
| MAC11 | 1/.33 | 10 | | 30 |
| **TOTAL ROUNDS REQUIRED** | AC/RC | | 30/(10) | 330/(110) |

**Table 3–21**
**Annual Ammunition Requirement and Training Strategy for the Non-Standard Rifles**

| EVENT NS RIFLES | FREQ AC/RC | WPN CERT | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DODIC | | | A130 | A059 | Z203 | A212 | A182 | A011 | B546 |
| FNFAL | 1/.33 | 10 | 30 | | | | | | |
| G3A4 | 1/.33 | 10 | 30 | | | | | | |
| M14 | 1/.33 | 10 | 30 | | | | | | |
| STG-77 ARG | 1/.33 | 10 | | 30 | | | | | |
| FAMAS | 1/.33 | 10 | | 30 | | | | | |
| AK47/AKM | 1/.33 | 10 | | | 30 | | | | |
| M1200 | 1/.33 | 10 | | | | | | 8 | |
| M1903A4 | 1/.33 | 10 | | | | 30 | | | |
| M79 | 1/.33 | 10 | | | | | | | 4 |
| 21A1 H&K | 1/.33 | 10 | | | 30 | | | | |
| PSG | 1/.33 | 10 | | | 30 | | | | |
| GALIL | 1/.33 | 10 | | 30 | | | | | |
| M1 GARAND | 1/.33 | 10 | | | | 30 | | | |
| SKS | 1/.33 | 10 | | 30 | | | | | |
| M2 CARB | 1/.33 | 10 | | | | | 30 | | |
| TOTAL RDS | AC/RC | | 90/30 | 120/40 | 90/30 | 60/20 | 30/10 | 8/3 | 4/1 |

**Table 3–22**
**Annual Ammunition Requirement and Training Strategy for the Non-Standard Machine Guns**

| EVENT NS MG | FREQ AC/RC | WPN CERT | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DODIC | | | A130 | Z200[1] | Z203[1] | Z205[1] | A218 | Z210* |
| MG3 | 1/.33 | 10 | 100 | | | | | |
| DSHK M1938 | 1/.33 | 10 | | | | | | 100 |
| MAG 58 | 1/.33 | 10 | 100 | | | | | |
| RPK-74 | 1/.33 | 10 | | 100 | | | | |
| 1919A6 | 1/.33 | 10 | | | | | 100 | |
| DP/DTM | 1/.33 | 10 | | | | 100 | | |
| SGM | 1/.33 | 10 | | | | 100 | | |
| RPD SERIES | 1/.33 | 10 | | | 100 | | | |
| PK SERIES | 1/.33 | 10 | | | 100 | | | |
| DP38 | 1/.33 | 10 | | | | 100 | | |
| TOTAL | AC/RC | | 200/66 | 100/33 | 200/66 | 300/100 | 100/33 | 100/33 |

Notes:
[1] All Zulu items are USASOC procurement.

**Table 3–23**
**Annual Pyrotechnics for Battalion Support Functions.**

| Nomenclature | DODIC | GSC & HHC | SF BN | SPT BN |
|---|---|---|---|---|
| Gren, Smoke HC | G930 | 15 | 248 | 60 |
| Gren, Smoke Green | G940 | 3 | 212 | 12 |
| Gren, Smoke Yellow | G945 | 7 | 254 | 12 |
| Gren, Smoke Red | G950 | 12 | 106 | 48 |
| Gren, Smoke Violet | G955 | 5 | 72 | 20 |
| Gren, Smoke CS | G963 | 5 | 60 | 20 |
| Riot Control Agent | K765 | 5 | 20 | 10 |
| Riot Control Agent | K768 | 0 | 4 | 2 |
| Sig, Illum, Red Para | L306 | 1 | 80 | 0 |
| Sig, Illum, White Para | L307 | 4 | 50 | 0 |
| Sig, Illum, Red Star | L311 | 1 | 30 | 0 |
| Sig, Illum, White Star | L312 | 4 | 110 | 0 |
| Sig, Illum, Green Star | L314 | 4 | 118 | 0 |
| Flare, Surface Trip | L495 | 6 | 94 | 0 |
| Fuze, Warning RR Red | L508 | 0 | 180 | 0 |
| Marker, Location, Marine | L283 | 0 | 40 | 0 |
| Marker, Location, Marine | L554 | 0 | 40 | 0 |
| Sim, Proj. Gnd Burst | L594 | 15 | 800 | 0 |
| Sim, Proj. Airburst | L595 | 0 | 12 | 0 |
| Sim, Artillery, Gun Flash | L596 | 1 | 38 | 0 |
| Sim, Booby Trap, Flash | L598 | 9 | 108 | 0 |
| Sim, Booby Trap, Illum | L599 | 5 | 52 | 0 |
| Sim, Booby Trap, Whis | L600 | 6 | 158 | 0 |
| Sim, Hand Grenade | L601 | 17 | 664 | 0 |

**Table 3–23**
**Annual Pyrotechnics for Battalion Support Functions.—Continued**

| Nomenclature | DODIC | GSC & HHC | SF BN | SPT BN |
|---|---|---|---|---|
| Starter, Fire | L621 | 0 | 30 | 0 |

**Table 3–24A**
**Annual Ammunition Requirement for the Combat Training Center Rotation (CTC)**

| DODIC | NOMENCLATURE | RDS PER EVENT |
|---|---|---|
| A011 | CTG, OO BUCKSHOT | 24 |
| A059 | CTG, 5.56-MM BALL | 1680 |
| A063 | CTG, 5.56-MM TRACER | 840 |
| A064 | CTG, 5.56-MM AR 4/1 MIX | 2000 |
| A075 | CTG, 5.56-MM BLANK LINKED | 2000 |
| A080 | CTG, 5.56-MM BLANK | 1680 |
| A131 | CTG, 7.62-MM 4/1 MIX | 1600 |
| A136 | CTG, 7.62-MM SNIPER | 10 |
| A111 | CTG, 7.62-MM BLANK LINKED | 1600 |
| A171 | CTG, 7.62-MM SPECIAL | 10 |
| A191 | CTG, .300 WIN | 10 |
| A363 | CTG, 9-MM BALL | 540 |
| A358 | CTG, 9-MM TRACER | 15 |
| A531 | CTG, CAL .50 BALL | 10 |
| A557 | CTG, CAL .50 MIX | 1000 |
| A598 | CTG, CAL .50 BLANK | 1000 |
| B504 | 40-MM GRN STAR PARA | 4 |
| B505 | 40-MM RED STAR PARA | 4 |
| B519 | 40-MM TP-T | 20 |
| B546 | 40-MM HE | 20 |
| B535 | 40-MM WHITE STAR PARA | 20 |
| B542 | 40-MM HE LINKED | 250 |
| B584 | 40-MM TP LINKED | 250 |
| C282 | 90-MM HEAT | 6 |
| A140 | CTG, 7.62/90-MM SUB CAL | 6 |
| C410 | 90-MM CANISTER | 4 |
| C995 | AT-4 | 6 |
| G878 | GREN, PRACTICE | 24 |
| G881 | GREN, HD FRAG | 24 |
| G930 | GREN, SMOKE HC | 24 |
| G945 | GREN, SMOKE YEL | 4 |
| G950 | GREN, SMOKE RED | 4 |
| G955 | GREN, SMOKE VIOL | 4 |
| H557 | LAW, M72 SERIES 3-6 | 6 |
| H708 | LAW, SUB CAL | 10 |
| K139 | MINE, M18A1 INERT | 6 |
| K143 | MINE, M18A1 CLAYMORE | 6 |
| L306 | SIG, ILLUM RS | 4 |

**Table 3–24A**
**Annual Ammunition Requirement for the Combat Training Center Rotation (CTC) —Continued**

| DODIC | NOMENCLATURE | RDS PER EVENT |
|---|---|---|
| L307 | SIG, ILLUM WHITE STAR | 4 |
| L312 | SIG, ILLUM WS PARA | 4 |
| L314 | SIG, ILLUM GRN STAR PARA | 5 |
| L495 | TRIP FLARE | 15 |
| L598 | SIM, BOOBYTRAP FLASH | 4 |
| L599 | SIM, BOOBYTRAP ILLUM | 4 |
| L600 | SIM, BOOBYTRAP WHISTLE | 4 |
| L601 | SIM, HAND GRENADE | 24 |
| M023 | CHG, DEMO C4 | 10 |
| M130 | CAP, BLASTING ELEC | 15 |
| M131 | CAP, BLASTING NON ELEC | 10 |
| M456 | DET, CORD (FT) | 1000 |
| M670 | FUZE, TIME (FT) | 100 |
| M766 | IGNITER, TIME FUZE | 5 |

Notes:
These resources are for one ODA live-fire iteration.

**Table 3–24B**
**Ammunition requirements for CTC rotations (Forward Operating Base)**

| DODIC | A131/A111 | A064/A075 | A063/A080 | K139 | B542 | SEE ITEM |
|---|---|---|---|---|---|---|
| FOB | 3000/8000 | 8400/8000 | 2000/0 | 10 | 300 | |
| 100 MAN FID | 4000/0 | 10000/0 | 0/12000 | | | |
| 12 MAN FID | 2000/0 | 2000/0 | 0/1200 | | | |
| SMK, GRN HC (G930) | | | | | | 100 |
| SMK, GRN (G940) | | | | | | 100 |
| SMK, GRN RED (G950) | | | | | | 100 |
| SIG, ILL WHITE PARA (L307) | | | | | | 100 |
| SIG, ILL RED STAR (L311) | | | | | | 100 |
| SIG, ILL WHITE STAR (L312) | | | | | | 100 |
| SIG,ILL GRN STAR (L314) | | | | | | 100 |

**Table 3–25A**
**Annual Ammunition Demolition Allocation for Special Forces ODA Teams.**

| DODIC | TYPE MUNITION | PER ODA |
|---|---|---|
| A130 | 7.62-mm Ball M14 | 12 |
| B632 | 60-mm HE w/fuze | 12 |
| C256 | 81-mm HE w/fuze | 12 |
| C697 | 107-mm HE w/fuze | 06 |
| G881 | Grenade, Hand Fragmentation | 12 |
| G900 | Grenade, Hand Incendiary TH3 | 12 |
| G937 | Grenade, Rifle Smoke WP | 12 |
| H557 | Rocket, 66-mm Heat (LAW) | 12 |
| K002 | Activator, AT Mine Practice M1 | 12 |

**Table 3–25A**
**Annual Ammunition Demolition Allocation for Special Forces ODA Teams. —Continued**

| DODIC | TYPE MUNITION | PER ODA |
|---|---|---|
| K030 | Primer-igniter, AP Mine, fuze, M10A1 | 12 |
| K040 | Charge Spotting, AP mine M8 | 12 |
| K051 | Fuze, AT Mine, M604, Practice | 12 |
| K055 | Fuze, AP Mine, M605 for M8 Practice | 12 |
| K091 | Mine, AP, Inert M2 | 12 |
| K092 | Mine, AP, M16A1 (Korea only) | 02 |
| K105 | Mine, AP, Practice | 12 |
| K121 | Mine, AP, M14 | 02 |
| K140 | Mine, AP, Empty | 12 |
| K143 | Mine, AP, M18A1 | 24 |
| K180 | Mine, AT, M15 | 02 |
| K181 | Mine, AT, M21 | 02 |
| K231 | Mine, AT, M15 Practice | 12 |
| K250 | Mine, AT, M19 | 02 |
| K917 | Compound Thickening, M4 | 8 |
| M023 | Charge, Demolition, C-4, 1.24 lb[1] | 504 |
| M024 | Charge, Demolition, M118 | 12 |
| M028 | Demolition Kit Bangalore Torpedo | 01 |
| M030 | Charge, Demolition, 1/4 lb TNT | 168 |
| M032 | Charge, Demolition, 1 lb TNT | 228 |
| M039 | Charge, Demolition, 40 lb Cratering | 06 |
| M097 | Cap, Blasting, Nonelectric, Inert | 100 |
| M098 | Cap, Blasting, Electric, Inert | 48 |
| M130 | Cap, Blasting, Electric | 168 |
| M131 | Cap, Blasting, Nonelectric | 552 |
| M241 | Destructor, Universal M10 | 12 |
| M327 | Coupling, Base Firing Device | 12 |
| M420 | Charge, Demolition, Shaped, 15 lbs | 6 |
| M421 | Charge, Demolition, Shaped 40 lbs | 4 |
| M456 | Cord, Detonating, Reinforced | 12000 ft |
| M458 | Cord, Detonating, Inert | 4000 ft |
| M591 | Dynamite, Mil, M1 | 264 |
| M627 | Firing, Device, Pressure M5 | 12 |
| M670 | Fuze, Time Blasting M700 | 6000 ft |
| M757 | Charge, Assembly, Demolition M183 | 12 |
| M766 | Igniter, Time Fuze | 32 |
| M842 | Squib, Electric, M1 | 32 |
| ML03 | Firing Device, M142 | 36 |
| M448 | Detonator, 8-Second Delay, M2A1 | 24 |
| M450 | Detonator, 15-Second Delay, M1A2 | 24 |
| M619 | Firing Device, Delay (time pencil), M1 | 144 |
| M623 | Firing Device, Delay | 144 |
| M626 | Firing Device, M1 | 36 |
| M629 | Firing Device, M1A1 | 36 |

**Table 3–25A**
**Annual Ammunition Demolition Allocation for Special Forces ODA Teams. —Continued**

| DODIC | TYPE MUNITION | PER ODA |
|---|---|---|
| M630 | Firing, Device, M3 | 36 |
| | Firing Device, Time Delay (TDFD) Inert | 04 |
| MN11 | Firing Device, Time Delay (TDFD) | 04 |
| ML47 | Cap, Blasting, Non-Elect 30 ft Shock Tube | 24 |
| MN02 | Cap, Blasting, Non-Elect 500 ft Shock Tube | 24 |
| MN03 | Cap, Blasting, Non-Elect 1000 ft Shock Tube | 24 |
| MN06 | Cap, Blasting, Non-Elect Delay M14 | 12 |
| MN07 | Cap, Blasting, Non-Elect Delay M15 | 12 |
| MN08 | Ignitor, Time Blasting Fuze, M18 | 48 |

Notes:
[1] If C-4 is not available, substitute TNT on a pound for pound basis.
[2] Annual resourcing for RC units will be .33% of each item annually.

**Table 3–25B**
**Annual Ammunition Requirement and Training Strategy for the Non-Standard Demolition**

| TYPE | QTY |
|---|---|
| DYNAMITE: NON NITROGLYCERN BASED | 50 EA |
| EMULTIONS: CAP SENSITIVE | 50 EA |
| EMULSIONS: NON-CAP SENSITIVE | 50 EA |
| BOOSTER: SLIP ON, 20 GR/FT | 50 EA |
| DET CORD: 7.5 GR. FT | 1000 EA |
| DET CORD: 60 GR/FT | 1000 EA |
| DET CORD: 200 GR/FT | 1000 EA |
| DET CORD: 500 GR/FT | 1000 EA |
| CHARGE, FLEX LINEAR SHAPE, 1200 GR/FT | 40 EA |
| CHARGE, FLEX LINEAR SHAPE, 2400 GR/FT | 40 EA |
| CHARGE, FLEX LINEAR SHAPE, 5400 GR/FT | 40 EA |
| DET CORD INITIATORS NON ELEC (VARIES LENGTH) | 50 EA |
| NON-ELEC DETONATORS VARIES MILISEC DELAYS | 50 EA |
| SHOCK TUBE 1000-FT ROLL | 02 EA |
| SHOCK TUBE INITIATORS (STI) | 50 EA |
| SHEET EXPLOSIVES (RDX OR PENT BASED) | 02 BX |
| EXPLOSIVES FORMED PROJECTILES (EFP) | 02 EA |

Notes:
[1] USASOC procurement commercial purchase.

**Table 3–26**
**Annual Ammunition Requirement and Training Strategy for the Rocket Propelled Grenades (RPG)**

| EVENT RPG | | FREQ AC/RC | | |
|---|---|---|---|---|
| DODIC | | | Z219 | Z221 |
| RPG 7 | PER 18B | 1/.33 | 2 | |
| RPG 18 | PER 18B | 1/.33 | | 2 |
| TOTAL REQUIRED BN | | | 78/26 | 78/26 |

**Table 3–27**
**Annual Ammunition Requirement and Training Strategy for the Close-Quarters Combat (CQC)**

| EVENT | FREQ AC | | | | | | |
|---|---|---|---|---|---|---|---|
| | CAT I | | | | | | |
| | (1) | (2) | PISTOL | RIFLE | | | |
| DODIC | | | A363 | A363/A059 | A080 | A011 | A017 |
| SLOW AIMED FIRE (1) | 4 | 1 | 215 | 0 | | | |
| SLOW AIMED FIRE (2) | 4 | 1 | 85 | 120 | | | |
| QUICK TGT ACQUISITION | 4 | 1 | 320 | 80 | | | |
| CONTROLED PAIRS | 4 | 1 | 260 | 90 | | | |
| MULTIPLE TGT INDEXING | 4 | 1 | 130 | 240 | | | |
| 2rd TGT ENGAGEMENT | 4 | 1 | 540 | 120 | | | |
| SHOOTING WHILE MOVING TGT ACQUISITION | 4 | 1 | 180 | 260 | | | |
| SHOOT WHILE MOVING | 4 | 1 | 16 | 48 | | | |
| SHOOT FROM BEHIND COVER | 4 | 1 | 86 | 92 | | | |
| SHOOT FROM BEHIND COVER ((NIGHT) | 4 | 1 | 34 | 34 | | | |
| PISTOL MARKSMANSHIP | 4 | 1 | 360 | | | | |
| RIFLE MARKSMANSHIP | 4 | 1 | | 240 | | | |
| BREACHING TRAINING | 4 | NA | | | | 50 | |
| LFX | 4 | 1 | 60 | 120 | 10 | 5 | 5 |
| TOTAL INDIVIDUAL | | 8904/2226 | 5296/1324 | 40 | 20 | 20 | |
| TOTAL PER CO. | (8) | | | 2880 | 1440 | 1440 | |
| TOTAL PER CO. | (48) | 427,392 | 254,208 | | | | |
| TOTAL PER CO. | (34) | 75,684 | 45,016 | | | | |
| TOTAL PER CO. | (48) LFXs | 103,680 | 207,360 | | | | |
| TOTAL TRAINING REQUIREMENT | | 606,756 | 506,584 | 2880 | 1440 | 1440 | |

**Table 3–28**
**Annual Ammunition Requirement and Training Strategy for the 84-MM RCRL Carl Gustov**

| EVENT | FREQ AC/RC | C382 | C383 | C384 | C385 | C386 | A353 |
|---|---|---|---|---|---|---|---|
| DODIC | | HE | HEAT | ILLUM | SMOKE | TPT | SUB-CAL |
| DRY FIRE | 1/.33 | | | | | | |
| INSTRUCTIONAL FIRE (PER 18B) | 1/.33 | | | | | 1 | 5 |
| INSTRUCTIONAL FIRE (COMPANY) | 1/.33 | 1/1 | 1/1 | 1/1 | 1/1 | | |
| TOTAL RDS COMPANY | AC/RC | 1/1 | 1/1 | 1/1 | 1/1 | 13/5 | 65/22 |
| TOTAL BN | | 3/1 | 3/1 | 3/1 | 3/1 | 39/13 | 195/65 |

Notes:
[1] USASOC procured items.

**Table 3–29**
**Annual Ammunition Requirement and Training Strategy for the 90-mm RCRL Rifle**

| EVENT | FREQ AC/RC | 7.62 | HEAT |
|---|---|---|---|
| DODIC | | A140 | C263[1] |
| DRY FIRE | 1/.33 | | |
| INSTRUCTIONAL FIRE | 1/.33 | 78 | 3 |
| TOTAL RDS REQUIRED | AC/RC | 78/26 | 3/1 |
| TOTAL BN | | 5850/1950 | 225/75 |

Notes:
[1] USASOC procurement item after DA Training Stocks are depleted.

**Table 3–30**
**Annual Ammunition Requirement and Training Strategy for the Stinger Missile System**

| EVENT STINGER | FREQ AC/RC | STLS | LIVE MISSILES |
|---|---|---|---|
| DODIC | | PL85[1] | PL93[1] |
| DRY FIRE | 1/.33 | | |
| INSTRUCTIONAL FIRE | 1/.33 | 1 | 3 |
| LIVE-FIRE COMPANY | | 75 | 1 |
| TOTAL BN | AC/RC | 75/25 | 3/1 |

Notes:
[1] USASOC procurement items after DA Training Stocks are depleted.

**Table 3–31**
**Annual Ammunition Requirement and Training Strategy for the 107-mm Mortar (Cat I)**

| EVENT 107-MM MORTARS | FREQ AC/RC | HE | WP | ILLUM | SRTR[1] |
|---|---|---|---|---|---|
| DODIC | | C697 | C708 | C706 | B645 |
| INSTRUCTIONAL FIRE COMPANY | 1/.33 | 93/93 | 17/17 | 51/51 | 19/19 |
| TOTAL ROUNDS COMPANY | AC/RC | 3/31 | 17/6 | 51/17 | 19/7 |
| TOTAL RDS REQUIRED PER BN | AC/RC | 279/93 | 51/17 | 153/51 | 57/19 |

Notes:
[1] B645 is refurbishable using a B653 kit. Recommend 16 refurbishment kits for each B645 cartridge requested. Tool kit (M880/M766) is available in accordance with TM 9-1315-252-12&P.

# Chapter 4
# 160th Special Operations Aviation Regiment (Airborne)—Active Component and the 1/245th

## Section I
## Training Programs

### 4–1. General
This chapter provides weapon standards, training strategies and training ammunition resource requirements for the 160th Special Operations Aviation Regiment (Airborne) and the 1/245th Aviation Battalion (SO) RC. The training programs are specifically designed for each weapon system within the regiment and the battalion. Each training event contains the standards and strategies, the ammunition requirement and the required frequency of fire.

### 4–2. Objective
The objective is to ensure training ammunition is available to maintain weapons proficiency.

### 4–3. Training programs
*a.* Training programs are developed for each weapon system. The training programs provide a method to attain and sustain weapon proficiency throughout the training year.

*b.* Standards are stated at the beginning of each program. These standards are based on training readiness requirements, unique training needs and objectives as specified by mission.

*c.* Dry-fire exercises, subcaliber exercises, use of devices and full caliber live-fire exercises are used to develop and maintain weapon proficiency.

*d.* Ammunition resources are based on the number of personnel required to become proficient and/or the number of weapon systems authorized.

*e.* All organic weapon systems are discussed in this chapter.

### 4–4. Training strategies
The training strategies in this chapter are based on exercises in current FMs, mission essential task lists (METL), and historical training data. The specifics of each exercise are not presented here.

## Section II
## 160th Special Operations Aviation Regiment

### 4–5. Selection and training

*a. Standards.* All personnel arriving to the Regiment must qualify with the M16A2, 9-mm pistol and the MP5 SMG prior to assignment to one of the operational battalions.

*b. Training strategy.* All personnel will undergo initial training established in the selection and training program. While in this program, personnel will qualify and train in the different M16A2, 9-mm pistol and the MP5 SMG firing techniques as indicated in table 4-1. This strategy ensures all personnel are fully mission qualified prior to operational unit assignment and emphasizes weapon sustainment.

### 4–6. M16A2 rifle

*a. Standards.* All personnel assigned an M16A2 rifle will remain fully mission qualified with that weapon system once they have been assigned to a unit. Qualification consists of firing the record fire course (FM 23-9), firing in MOPP 4 protective clothing and firing at night for record within six months.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-2.

### 4–7. M9 combat pistol

*a. Standards.* All personnel assigned a 9-mm pistol will qualify within six months . Qualification consists of firing the combat pistol qualification course in accordance with FM 23-35.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-3.

### 4–8. MP-5 submachine gun

*a. Standards.* All personnel assigned an MP5 submachine gun will qualify within six months.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-4.

### 4–9. M2 HB machine gun

*a. Standard.* All assigned M2 machine gunners and AGs will qualify semiannually. Qualification consists of 10-meter record course, transition range course, and night firing for record.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-5.

### 4–10. M60 machine gun

*a. Standard.* All assigned M60 machine gunners and AGs will qualify within six months. Qualification consists of 10-meter record course, transition range course (FM 23-67), and night firing for record.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-6.

### 4–11. M249 squad automatic weapon

*a. Standard.* All personnel assigned a SAW will qualify within six months. Qualification consists of firing 10-meter record course, 10-meter transition course (in accordance with FM 23-14).

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-7.

### 4–12. M203 grenade launcher

*a. Standard.* All personnel assigned an M203 will qualify within six months. Qualification consists of firing table 8-2 (FM 23-31).

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-8.

### 4–13. Light antitank weapon

*a. Standard.* Two personnel per company will qualify by successfully engaging 5 of 10 targets with the M73 subcaliber rocket in accordance with FM 23-25, Appendix C, Tables I, II, and III within 6 months. Ninety percent of each company will observe a 66-mm HEAT M72 LAW fired within 12 months.

*b. Training strategy.* Recommended training strategies and ammunition resources are given in table 4-9.

### 4–14. Hand grenade

*a. Standard.*

(1) Ninety percent of all Company personnel will successfully negotiate any grenade practice exercise, as stated in FM 23-30 within 6 months.

(2) Ninety percent of all Company members will observe a live fragmentation hand grenade within 12 months.

*b. Training strategy.* Recommended training strategy and ammunition requirements are given in table 4-10.

### 4–15. M18A1/A2 Claymore mine

*a. Standard.* Ninety percent of assigned company personnel will emplace, arm and disarm an inert Claymore mine within 12 months. Ninety percent of assigned company personnel will observe a live Claymore mine detonation (FM 23-23) within 12 months.

*b. Training strategy.* Recommended training strategy and ammunition requirements are given in table 4-11.

### 4–16. MH-60 (DAP) aerial gunnery training and support

*a. General.*

(1) All designated DAP aviators will fully qualify before becoming DAP basic mission qualified (BMQ).

(2) Upon completion of Selection and Training, designation as an MH-60 DAP aviator, and successful aerial gunnery qualification, all DAP aviators will conduct sustainment training monthly. Requirements are given in table 4-12.

*b. Mission Support.*

(1) MH-60 aircraft provide frequent close air and suppressive fire assets for training in support of other Special Operations Forces.

*(2)* To minimize total ammunition requirements, units will make all attempts to maximize aviator sustainment training in conjunction with external training support.

(3) At no time will an aviator who is not fully mission qualified (FMQ) perform fire and maneuver in conjunction with external training support.

*c. AGM-114 Hellfire requirements.* Each aircrew (total 10) will fire one AGM-114 per year. Hellfire missiles will be used in conjunction with customer support. Using Hellfire missiles in this manner allows the aircrews to familiarize with the weapon system and allows the customers to train on coordination procedures, communication, designation and target effects associated with Hellfire missiles.

### 4–17. AH-6 aerial gunnery training and support

*a. General.*

(1) All basic mission trained (BMT) aviators will fully qualify before becoming basic mission qualified (BMQ). Specific requirements are included in table 4-13.

(2) Upon completion of Selection and Training and successful aerial gunnery qualification, all aviators will conduct sustainment training monthly.

*b. Mission Support.*

(1) AH-6 aircraft frequently provide close air and suppressive fire assets in support of Special Operations Forces.

(2) To minimize total ammunition requirements, units will make every attempt to maximize aviator sustainment training in conjunction with external support.

(3) At no time will an aviator who is not fully mission qualified (FMQ) perform fire and maneuver in conjunction with external support.

### 4–18. Crewchief door gunnery with the M134 minigun

*a. Standard.* All crewchiefs will fully qualify with the M134 minigun. Requirements are given in table 4-14.

*b. Training strategy.* Crewchiefs will fire from the door gunnery position in various aerial approaches until proficiency is obtained. Crewchief door gunnery training is conducted on a monthly basis.

### 4–19. Pyrotechnics and miscellaneous ammunition items

*a. Standards.* Simulate the greatest possible degree of realism during the conduct of joint live-fire exercises for ground troops.

*b. Training strategy.* Pyrotechnics provide greater realism for individual ground troops during joint readiness training exercises (JRTs), combined arms live fire exercises (CALFEXs), capabilities exercises (CAPEXs) and other joint exercises. Table 4-15 is based on historical data from previous exercises.

*c. Cutters (M500).*

(1) *Standards.* Applicable personnel will be trained and proficient in the execution of heavy equipment airborne operations in conduct of a forward area refueling and rearming point (FARRP).

(2) *Training strategy.* Training must be realistic. Execution of actual heavy equipment airborne operations must be conducted. All equipment must be made readily available including the charge reefing cutters used for cutting parachute lines from the equipment. The following computation will be used for figuring the amount of cutters required during the training year: 4 cutters/drop × 8 drops/mission × 2 missions/month × 12 months = 768.

## Section III
## 1/245th Aviation Battalion

### 4–20. M16A2 rifle

*a. Standards.* Ninety percent of the personnel assigned an M16A1/A2 rifle will qualify within 12 months. Qualification consists of firing the record fire course (FM 23-9), and firing at night for record.

*b. Training strategy.* Recommended training strategies and ammunition resources are given in table 4-16

### 4–21. Pistols

*a. Standards.* All personnel assigned to the Battalion must familiarize with the pistol and its uses under different conditions. All soldiers assigned a pistol will qualify within 12 months. Qualification consists of firing the combat pistol qualification course in accordance with FM 23-35.

*b. Training strategy.* Recommended training strategies and ammunition resources are given in table 4-17.

### 4–22. M2 HB machine gun (.50 cal)

*a. Standard.* Ninety percent of the assigned M2 HB machine gunners and assistant gunners will qualify within 12 months. Qualification consists of firing the record course (FM 23-65) and firing at night for record.

*b. Training strategy.* Recommended training strategies and ammunition resources are given in table 4-18.

### 4–23. M60 machine gun

*a. Standard.* All M60 Machine Gunners and AGs will qualify within 12 months. Qualification consists of 10-meter record course, transition range course (FM 23-67), firing in MOPP 4 for record and night firing for record.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-19.

### 4–24. M249 squad automatic weapon

*a. Standard.* All personnel assigned a SAW will qualify within 12 months. Qualification consists of firing the 10-meter record course and the 10-meter transition course (in accordance with FM 23-14).

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-20.

### 4–25. M203 grenade launcher

*a. Standard.* All personnel will qualify with the M203 GL within 12 months. For qualification standards see FM 23-31, table 8-2.

*b. Training strategy.* Recommended training strategies and ammunition resources are provided in table 4-21.

### 4–26. Light antitank weapon

*a. Standard.* Two personnel per company will qualify by successfully engaging 5 of 10 targets with the M73 subcaliber rocket in accordance with FM 23-25, Appendix C, Tables I, II and III within six months. Ninety percent of each company will observe a 66-mm HEAT M72 LAW fired within 12 months.

*b. Training strategy.* Recommended training strategies and ammunition resources are given in table 4-22.

### 4–27. Hand grenade

*a. Standard.*

(1) Ninety percent of all Company personnel will successfully negotiate any grenade practice exercise, as stated in FM 23-30 within 12 months.

(2) Ninety percent of all Company personnel will observe one live fragmentation hand grenade within 12 months.

*b. Training strategy.* Recommended training strategy and ammunition requirements are given in table 4-23.

### 4–28. M18A1/A2 Claymore mine

*a. Standard.* Ninety percent of assigned company personnel will emplace, arm, and disarm one inert Claymore mine within 12 months. Ninety percent of assigned Company personnel will observe a live Claymore mine detonation (FM 23-23) within 12 months.

*b. Training strategy.* Recommended training strategy and ammunition requirements are given in table 4-24.

### 4–29. MH-60D door gunnery

*a. Standard.* Ninety percent of the assigned M60D gunners must qualify within 24 months. Additionally, each gunner must have received sustainment training within 24 months. For qualification requirements, see FM 1-140, Tables V through VII.

*b. Training strategy.* Recommended training strategies and resources are given in table 4-25.

### 4–30. Crew chief door gunnery with the M134 minigun

*a. Standard.* All crewchiefs will fully qualify with the M134 minigun within 12 months.

*b. Training strategy.* Crewchiefs will fire from the door gunnery position in various aerial approaches until proficiency is obtained.

### 4–31. Pyrotechnics and miscellaneous ammunition

*a. Standards.* Simulate the greatest possible degree of realism during the conduct of joint live-fire exercises for ground troops.

*b. Training strategy.* Pyrotechnics will be used to provide greater realism for individual ground troops during quarterly training exercises, CALFEXs, CAPEXs and other joint exercises. Table 4-27 is based on historical data from previous exercises.

*c. Cutters (M500).*

(1) *Standards.* Applicable personnel will be trained and proficient in the execution of heavy equipment airborne operations in conduct of an FAARP.

(2) *Training strategy.* Training must be realistic. Execution of actual heavy equipment airborne operations must be conducted. This means all equipment must be made readily available including the charge reefing cutters used for cutting parachute lines from the equipment. The following computation will be used for figuring the amount of cutters required during the training year: 4 cutters/drop x 8 drops/mission x 2 missions/quarter x 4 quarters = 256.

**Table 4–1**
**Ammunition Requirement for Initial Training (TRC A)**

| Weapon System | DODIC | Type | Rounds Required |
|---|---|---|---|
| M16A2 | A059<br>A063 | Ball<br>Tracer | 348<br>240 |
| M9 Pistol | A363 | Ball | 673 |
| MP5 SMG | A363 | Ball | 800 |

**Table 4–2**
**Training Strategy and Ammunition Requirement for the M16A2 Rifle—Sustainment (TRC A)**

| Event | Freq | Rounds Required | |
|---|---|---|---|
| | | Ball | Tracer |
| DODIC | | A059 | A063 |
| Preliminary Marksmanship Instruction | 2 | | |
| Zero | 2 | 18 | |
| Practice Fire | 2 | 40 | |
| Record Fire | 2 | 40 | |
| NBC Practice | 2 | 20 | |
| NBC Record | 2 | 20 | |
| Night Practice | 2 | 20 | 10 |
| Night Record | 2 | 20 | 10 |
| Total Rounds Required | | 356 | 40 |

**Table 4–3**
**Training Strategy and Ammunition Requirement for the M9 Pistol—Sustainment (TRC A)**

| Event | Freq | Rounds Required | |
|---|---|---|---|
| | | Ball | Tracer [1] |
| DODIC | | A363 | |
| Preliminary Marksmanship Training | 2 | | |
| Familiarization [1] | 2 | | 40 |
| Instructional Fire | 2 | 25 | |
| Barricade Fire | 2 | | 40 |
| Combat Pistol Qualification Course | 2 | 40 | |
| Total Rounds Required | | 130 | 160 |

Notes:
[1] SOCOM procurement item.

**Table 4–4**
**Training Strategy and Ammunition Requirement for the MP 5 Submachine Gun—Sustainment (TRC A)**

| Table | Event | Freq | Rounds Required |
|---|---|---|---|
| | | | Ball |
| DODIC | | | A363 |
| 1 | Familiarization w/sights and trigger | 2 | 30 |
| 2 | Opposite hand firing for familiarization w/sights and trigger | 2 | 10 |
| 3 | Back to target, ready position, turn, single shot target engagement | 2 | 30 |

**Table 4–4**
**Training Strategy and Ammunition Requirement for the MP 5 Submachine Gun—Sustainment (TRC A)—Continued**

| Table | Event | Freq | Rounds Required |
|---|---|---|---|
| | | | Ball |
| DODIC | | | A363 |
| 4 | Walkaway, 3d burst single target | 2 | 30 |
| 5 | Walk into double target 3d burst | 2 | 30 |
| 6 | Transition drill Fire, One rd from MP5, put the selector switch on safe, draw pistol and engage two targets | 2 | 50 |
| 7 | Facade/barrier firing multiple target diagonal run | 2 | 50 |
| 8 | LFX | 2 | 150 |
| **Total Rounds Required** | | | 760 |

**Table 4–5**
**Annual Ammunition Requirement and Training Strategy for the M2 HB Machine Gun (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A555 | A557 | A598 |
| Familiarization | 2 | | 56 | |
| Moving Target Record Fire | 2 | | 25 | |
| Transition Range Record Fire | 2 | 86 | 66 | |
| 10-Meter Record Fire | 2 | 91 | 86 | |
| NBC Practice Fire | 2 | | 56 | |
| NBC Record Fire | 2 | | 56 | |
| Night Practice Fire | 2 | | 66 | |
| Night Record Fire | 2 | | 66 | |
| Total Rounds Required Per Year Per soldier | | 354 | 954 | 0 |

**Table 4–6**
**Annual Ammunition Requirement and Training Strategy for the M60 Machine Gun (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A143 | A131 | A111 |
| Preliminary Marksmanship Training | 2 | | | |
| 10-Meter Zero/Practice | 2 | 117 | | |
| 10-Meter Record | 2 | 119 | | |
| Transition Zero/Practice | 2 | | 182 | |
| Transition Record | 2 | | 154 | |
| Night Zero/Practice/Record | 2 | | 196 | |
| Assistant Gunner (AG) 10 m | 2 | | 236 | |
| Transition/Night AG | 2 | | 532 | |
| Total Rounds Required Per Year Per soldier | | 472 | 2600 | |

**Table 4–7**
**Annual Ammunition Requirement and Training Strategy for the M249 SAW (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A062 | A064 | A075 |
| Preliminary Marksmanship Training | 2 | | | |
| 10-Meter Zero/Practice | 2 | 57 | | |
| 10-Meter Record | 2 | 51 | | |
| Transition Zero/Practice | 2 | | 78 | |
| Transition Record | 2 | | 66 | |
| Night Zero/Practice/Record | 2 | | 90 | |
| Total Rounds Required Per Year Per weapon | | 216 | 468 | |

**Table 4–8**
**Annual Ammunition Requirement and Training Strategy for the M203 Grenade Launcher (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | HE | TP |
| DODIC | | B546 | B519 |
| Familiarization | 2 | 5 | |
| Zero | 2 | | 3 |
| Record/Qualification | 2 | | 9 |
| NBC Practice Fire | 2 | | 2 |
| NBC Record Fire | 2 | | 5 |
| Night Practice Fire | 2 | | 3 |
| Total Rounds Required Per Year Per soldier | | 10 | 44 |

**Table 4–9**
**Annual Ammunition Requirement and Training Strategy for the LAW (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Subcal M73 | HEAT |
| DODIC | | H708 | H557 |
| Tables I and II Day | 2 | 7 | |
| Table III Night | 2 | 3 | |
| Qualification | 2 | 10 | |
| Instructional Fire | 2 | | 2 |
| Total Requirement Per Year Per Gunner | | 40 | 2 |

**Table 4–10**
**Annual Ammunition Requirement and Training Strategy for the Hand Grenade (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | M228 Practice | M67 Frag |
| DODIC | | G878 | G881 |
| Instruction/Qualification | 2 | 10 | |
| Live Grenade Throw | 2[1] | | 2[1] |
| Total Requirements | | 20 | 2[1] |

Notes:
[1] Grenades = company requirements.

**Table 4–11**
**Annual Ammunition Requirement and Training Strategy for the M18A1 Claymore Mine (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Inert | M18A1 |
| DODIC | | K139 | K143 |
| Employment Instruction | 1 | X | |
| Live Claymore Detonation | 1[1] | | 2 |
| Total Requirements Per Company | | | 2[1] |

**Table 4–12**
**MH-60 Aerial Gunnery Training (TRC A)**

| | | Rounds Required[1] | | | | | |
|---|---|---|---|---|---|---|---|
| Event | Freq | Flare | 2.75" FFAR Flech | HE | WP | TGTP | 7.62 |
| DODIC | | H180 | H459 | H163 | H116 | B120 | A165 |
| BMQ Qual | 3 | 12 | 20 | 54 | 8 | 720 | 6000 |
| Sustainment | 12 | 6 | 10 | 36 | 4 | 720 | 6000 |

Notes:
Step 1. To determine total number of rounds authorized by table 4-12, multiply the number of anticipated S&T pilots X 3 and then by specific type rocket in each column. Upon completion of gunnery qualification, pilots will conduct sustainment training for the remaining nine months of the year.
Step 2. Multiply the number of pilots currently on-hand or authorized (whichever is greater) X 12 (frequency) and then by the specific type rocket in each column.
Step 3. Add totals from Step 1 and 2 for annual internal training ammunition requirement.

**Table 4–13**
**AH-6 Aerial Gunnery Training (TRC A)**

| | | Rounds Required[1] | | | | |
|---|---|---|---|---|---|---|
| Event | Freq | Flare | 2.75" FFAR Flech | HE | 7.62-mm Ball | SLAP[2] |
| DODIC | | H180 | H459 | H163 | A165 | |
| BMQ Qual | 3 | 5 | 18 | 61 | 16500 | 4500 |
| Sustainment | 12 | 4 | 9 | 43 | 10500 | 3000 |

Notes:
[1] Step 1. To determine total number of rounds authorized by table 4-13, multiply the number of anticipated S&T pilots X 3 and then by specific type rocket in each column. Upon completion of gunnery qualification, pilots will conduct sustainment training for the remaining nine months of the fiscal year.
Step 2. Multiply the number of pilots currently on-hand or authorized (whichever is greater) X 12 (frequency) and then by the specific type rocket in each column.
Step 3. Add totals from Step 1 and 2 for annual internal training ammunition requirement.
[2] USASOC procurement.

**Table 4–14**
**Training Strategy and Ammunition Requirement for the M134 Minigun (TRC A)**

| Table | Freq | Range | Mode | Low rounds | Rate/Seconds | High rounds | Rate/Seconds |
|---|---|---|---|---|---|---|---|
| 1 | 12 | 250 m | Hover fire, boresight, aim point, Flare | 100 | 3 | 200 | 3 |
| 2 | 12 | 100 m | Hover fire, antipersonnel point target rounds in 5-meter circle | 200 | 6 | 300 | 4.5 |
| 3 | 12 | 250 m | Hover fire, vehicle fire 5-meter circle | 200 | 6 | 300 | 4.5 |
| 4 | 12 | | Aerial reload | | | | |
| 5 | 12 | 250 m | Moving fire, 90° to target line, suppression, rounds in 20-meter circle | 200 | 6 | 200 | 3 |
| 6 | 12 | 500 m | Moving fire 45° to target line, APC target. 3 Rounds in 30-m circle | | | 400 | 6 |
| 7 | 12 | 100 m | Fast rope approach | 400 | 12 | | |
| Total Requirements | | | | 13200 | | 16800 | |

**Table 4–15**
**Pyrotechnics Annual Pyrotechnic Requirement per Battalion (TRC A)**

| DODIC | Nomenclature | Battalion |
|---|---|---|
| G930 | Smoke Grenade, HC | 200 |
| G940 | Smoke Grenade, Green | 42 |
| G945 | Smoke Grenade, Yellow | 100 |
| G950 | Smoke Grenade, Red | 40 |
| G955 | Smoke Grenade, Violet | 48 |
| L305 | Sig Illum Green Para | 12 |
| L306 | Sig Illum Red Para | 48 |
| L307 | Sig Illum White Para | 60 |
| L311 | Sig Illum Red Star | 12 |
| L312 | Sig Illum White Star | 36 |
| L314 | Sig Illum Green Star | 36 |
| L495 | Sim Proj Ground Burst | 60 |
| L594 | Flare Surface Trip | 240 |
| L596 | Sim Arty Gun Flash | 20 |
| L598 | Sim Boobytrap Flash | 60 |
| L599 | Sim Boobytrap Illum | 60 |
| L600 | Sim Boobytrap Whistle | 20 |
| L601 | Sim Hand Grenade | 160 |

**Table 4–16**
**Training Strategy and Ammunition Requirement for the M16A2 Rifle—Sustainment (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Ball | Tracer |
| DODIC | | A059 | A063 |
| Battlesight Zero (25 m) | 1 | 18 | |
| Practice Fire | 1 | 40 | |
| Record Fire | 1 | 40 | |

**Table 4–16**
**Training Strategy and Ammunition Requirement for the M16A2 Rifle—Sustainment (TRC A)—Continued**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Ball | Tracer |
| DODIC | | A059 | A063 |
| Night Familiarization | 1 | 20 | 10 |
| Night Qualification | 1 | 20 | 10 |
| NBC Familiarization | 1 | 20 | |
| NBC Qualification | 1 | 20 | |
| Total Rounds Required Annually | | 178 | 20 |

**Table 4–17**
**Training Strategy and Ammunition Requirement for the M9 Pistol (TRC A)**

| | | Rounds Required |
|---|---|---|
| Event | Freq | Ball |
| DODIC | | A363 |
| Instructional fire | 1 | 10 |
| Combat Pistol Qualification Course | 1 | 40 |
| Total Rounds Required | | 50 |

**Table 4–18**
**Annual Ammunition Requirement and Training Strategy for the M2 HB .50 Cal HMG (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A555 | A557 | A598 |
| Instructional Fire | 1 | | 56 | |
| 10-Meter Record Fire | 1 | 86 | | |
| Moving Target Record Fire | 1 | | 25 | |
| Transition Record Fire | 1 | | 66 | |
| NBC Practice Fire | 1 | | 56 | |
| NBC Record Fire | 1 | | 56 | |
| Night Practice Fire | 1 | | 66 | |
| Night Record Fire | 1 | | 66 | |
| Battalion ARTEP | 1 | | | 50 |
| Total Rounds Required Per Year Per weapon | | 86 | 391 | 50 |

**Table 4–19**
**Annual Ammunition Requirement and Training Strategy for the M60 MMG (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A143 | A131 | A111 |
| 10-Meter Practice | 1 | 108 | | |
| 10-Meter Record Fire | 1 | 108 | | |
| Transition Practice | 1 | | 140 | |

**Table 4–19**
**Annual Ammunition Requirement and Training Strategy for the M60 MMG (TRC A)—Continued**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A143 | A131 | A111 |
| Transition Record Fire | 1 | | 140 | |
| NBC Practice Fire | 1 | | 70 | |
| NBC Record Fire | 1 | | 140 | |
| Night Practice Fire | 1 | | 70 | |
| Night Record Fire | 1 | | 140 | |
| Battalion ARTEP | 1 | | | 200 |
| Total Rounds Required Per Year Per weapon | | 700 | 216 | 200 |

**Table 4–20**
**Annual Ammunition Requirement and Training Strategy for the M249 SAW (TRC A)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A062 | A064 | A075 |
| 10-Meter Practice I | 1 | 57 | | |
| 10-Meter Practice Fire II | 1 | 57 | | |
| 10-Meter Record Fire | 1 | 42 | | |
| Transition Practice | 1 | | 204 | |
| Transition Record Fire | 1 | | 195 | |
| NBC Record Fire | 1 | | 42 | |
| Battalion ARTEP | 1 | | | 100 |
| Total Rounds Required Per Year Per weapon | | 156 | 441 | 100 |

**Table 4–21**
**Annual Ammunition Requirement and Training Strategy for the M203 Grenade Launcher (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | HE | TP |
| DODIC | | B546 | B519 |
| HE Instruction | 1 | 5 | |
| Zero | 1 | | 6 |
| Record/Qualification | 1 | | 12 |
| Night Record Fire | 1 | 3 | 3 |
| Total Rounds Required Per Year Per soldier | | 8 | 18 |

**Table 4–22**
**Annual Ammunition Requirement and Training Strategy for the LAW (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Subcal M73 | HEAT M72 |
| DODIC | | H708 | H557 |
| Tables I and II Day | 1 | 7 | |
| Table III Night | 1 | 3 | |
| Qualification | 1 | 10 | |
| Instructional Fire | 1 | | 1 |
| Total Requirement Per Year Per Gunner | | 20 | 1 |

**Table 4–23**
**Annual Ammunition Requirement and Training Strategy for the Hand Grenade (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | M228 Practice | M67 Frag |
| DODIC | | G878 | G881 |
| Instruction/Qualification | 1 | 10 | |
| Live Grenade Throw/company | 1 | | 2 |
| Total Requirements Per company | | 10 | 2/company |

**Table 4–24**
**Annual Ammunition Requirement and Training Strategy for the M18A1 Claymore Mine (TRC A)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | Inert | M18A1 |
| DODIC | | K139 | K143 |
| Employment Instruction | 1 | X | |
| Live Claymore Detonation | 1 | | 2 |
| Total Requirements Per Company | | | 2 |

**Table 4–25**
**MH-60D Door Gunnery (TRC A)**

| Event | Freq | Rds Per Event[2] | DODIC |
|---|---|---|---|
| Table I-IV | .5 | 336 | A131 |
| Table V | .5 | 196 | |
| Table VI | .5 | 196 | |
| Table VII | .5 | 196 | |
| Total Rounds Required per airframe | | 924 | |

Notes:
[1] Ammunition authorization is based on number of airframes required by TOE (Example: Number of airframes × 924 = Ammunition Required).
[2] If augmented with door gunners, two M60Ds will be fired per airframe. (Example: 1 airframe × 2 × 924 = Ammunition Required).

**Table 4–26**
**Training Strategy and Ammunition Requirement for the M134 Minigun (TRC A)**

| Table | Freq | Range | Mode | Low rounds | Rate Seconds | High rounds | Rate Seconds |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 250 m | Hover fire, bore sight, aim point, Flare | 100 | 3 | 200 | 3 |
| 2 | 1 | 100 m | Hover fire, anti-personnel point target - rounds in 5-meter circle | 200 | 6 | 300 | 4.5 |
| 3 | 1 | 250 m | Hover fire, vehicle fire 5-meter circle | 200 | 6 | 300 | 4.5 |
| 4 | 1 | | Aerial reload | | | | |
| 5 | 1 | 250 m | Moving fire, 90° to target line, suppression, rounds in 20-meter circle | 200 | 6 | 200 | 3 |
| 6 | 1 | 500 m | Moving fire 45° to target line, APC target. Rounds in 30-m circle | | | 400 | 6 |
| 7 | 1 | 100 m | Fast rope approach | 400 | 12 | | |
| **Total Requirements** | | | | 1100 | | 1400 | |

**Table 4–27**
**Pyrotechnics—Annual Pyrotechnic requirement per Battalion (TRC A)**

| DODIC | Nomenclature | Battalion |
|---|---|---|
| G930 | Smoke Grenade, HC | 200 |
| G940 | Smoke Grenade, Green | 42 |
| G945 | Smoke Grenade, Yellow | 100 |
| G950 | Smoke Grenade, Red | 40 |
| G955 | Smoke Grenade, Violet | 48 |
| G963 | Smoke Grenade, CS | 12 |
| L305 | Sig Illum Green Para | 12 |
| L306 | Sig Illum Red Para | 48 |
| L307 | Sig Illum White Para | 60 |
| L311 | Sig Illum Red Star | 12 |
| L312 | Sig Illum White Star | 36 |
| L314 | Sig Illum Green Star | 36 |
| L494 | Sim Proj Ground Burst | 60 |
| L595 | Flare Surface Trip | 240 |
| L596 | Sim Arty Gun Flash | 20 |
| L598 | Sim Boobytrap Flash | 60 |
| L599 | Sim Boobytrap Illum | 60 |
| L600 | Sim Boobytrap Whistle | 20 |
| L601 | Sim Hand Grenade | 160 |
| M500 | Cutter, Reefing Line | 256 |

# Chapter 5
# Civil Affairs/Psychological Operations

## Section I
## Training Programs

### 5–1. General

This chapter provides standards, training strategies, and resource requirements for weapons assigned to, and utilized by, civil affairs and psychological operations units, for both Active Component (AC) and Reserve Component (RC). The training programs provided are specifically designed for each weapon system. Each program contains a strategy and standard that outlines the training resources and includes suggested frequencies of live fire, subcaliber and use of devices.

### 5–2. Objective

The objective is to assist commanders in attaining and sustaining acceptable levels of weapons and tactical proficiency in support of

civil affairs/psychological operations missions. The training programs provide a method for the attainment and sustainment of weapon proficiency throughout the training year.

### 5–3. Training strategies

The training strategies in this chapter are based on exercises in current FMs and ARTEPs. The specifics of each exercise will not be addressed in this pamphlet. For further information concerning these exercises consult the appropriate training document.

## Section II
## Weapon Strategies

### 5–4. M16A1/A2

*a. Standard.* All personnel assigned an M16A1/A2 rifle will qualify in accordance with FM 23-9 within 12 months. Qualification consists of firing the record firing course, NBC record fire, and night record fire.

*b. Training Strategy.* Recommended training strategy and ammunition requirements are given in table 5-1.

### 5–5. Pistol, .45 cal and 9-mm

*a. Standard.* All personnel assigned a .45-cal/9-mm pistol will qualify in accordance with FM 23-35 within 12 months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are given in table 5-2.

### 5–6. M60 machine gun

*a. Standard.* All assigned M60 gunners will qualify in accordance with FM 23-67 within 12 months.

*b. Training strategy.* Recommended training strategy and ammunition requirements are given in table 5-3.

### 5–7. M203 grenade launcher

*a. Standard.* All personnel assigned an M203 Grenade Launcher will qualify in accordance with FM 23-31 within 12 months.

*b. Training strategy.* Recommended training strategies and ammunition requirements are given in table 5-4.

### 5–8. Pyrotechnics and miscellaneous ammunition items

*a. Standards.* Simulate the greatest possible degree of realism during the conduct of training exercises for units.

*b. Training strategy.* Pyrotechnics are used to provide greater realism for units during training exercises. Table 5-5 is based on historical data from previous exercises.

**Table 5–1**
**Annual Ammunition Requirement and Training Strategy for the M16A1/A2**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Tracer | Blank |
| DODIC (A1/A2) | | A071/A059 | A068/A063 | A080/A080 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | | | |
| Zero | 1 | 18 | | |
| Practice Record Fire | 1 | 40 | | |
| Record Fire | 1 | 40 | | |
| NBC Practice Fire | 1 | 20 | | |
| NBC Record Fire | 1 | 20 | | |
| Practice Night Fire | 1 | 20 | 10 | |
| Night Record Fire | 1 | 20 | 10 | |
| Company/Battalion ARTEP/FTX/CTC | 1 | | | 200 |
| Total Rounds Required | | 178 | 20 | 200 |

**Table 5–2**
**Annual Ammunition Requirement and Training Strategy for the .45-cal/9-mm Pistol**

| Event | Freq | Rounds Required 9-mm/.45 cal |
|---|---|---|
| DODIC | | A363/A475 |
| Preliminary Marksmanship Instruction | 4 | |
| Instructional Fire | 1 | 25 |
| Combat Pistol Qualification Course for Record | 1 | 40 |
| Total Rounds Required | | 65 |

**Table 5–3**
**Annual Ammunition Requirement and Training Strategy for the M60 Machine Gun**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | Ball | Mix | Blank |
| DODIC | | A143 | A131 | A111 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | | | |
| 10-Meter Zero/Practice Fire | 1 | 117 | | |
| 10-Meter Record Fire | 1 | 119 | | |
| Transition Zero/Practice Fire | 1 | | 182 | |
| Transition Record Fire | 1 | | 154 | |
| Night Zero/Practice/Record Fire | 1 | | 196 | |
| Assistant Gunner 10-Meter Fire | 1 | 236 | | |
| Assistant Gunner Transition/Night Fire | 1 | | 532 | |
| Battalion/Company ARTEP/FTX/CTC | 1 | | | 250 |
| Total Rounds Required | | 472 | 1064 | 250 |

**Table 5–4**
**Annual Ammunition Requirement and Training Strategy for the M203 Grenade Launcher**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | TP | HEDP | White Star |
| DODIC | | B519 | B546 | B535 |
| Primary Marksmanship Training | 1 | | | |
| Zero | 1 | 6 | | |
| Qualification | 1 | 12 | | |
| Night Record Fire | 1 | | 3 | |
| Battalion/Company ARTEP/FTX/CTC | 1 | 4 | 1 | 1 |
| Total Rounds Required | | 22 | 4 | 1 |

**Table 5–5**
**Annual Pyrotechnic Requirement per Battalion**

| DODIC | Nomenclature | HQ & SPT CO | POG/CA BN |
|---|---|---|---|
| G930 | Smoke Grenade, HC | 15 | 60 |
| G940 | Smoke Grenade, Green | 3 | 12 |
| G945 | Smoke Grenade, Yellow | 7 | 12 |
| G950 | Smoke Grenade, Red | 12 | 48 |
| G955 | Smoke Grenade, Violet | 5 | 20 |
| G963 | Smoke Grenade, CS | 5 | 20 |
| K765 | CS Capsule | 5 | 10 |
| K768 | Riot Control CS | 0 | 2 |
| K866 | Smoke Pot M5 Green | 4 | 16 |
| L305 | Sig Illum Green Para | 1 | 4 |
| L306 | Sig Illum Red Para | 4 | 16 |
| L307 | Sig Illum White Para | 4 | 16 |

**Table 5–5**
**Annual Pyrotechnic Requirement per Battalion—Continued**

| DODIC | Nomenclature | HQ & SPT CO | POG/CA BN |
|---|---|---|---|
| L311 | Sig Illum Red Star | 1 | 4 |
| L312 | Sig Illum White Star | 4 | 16 |
| L314 | Sig Illum Green Star | 4 | 16 |
| L410 | M1 C/M Flare | 0 | 16 |
| L495 | Flare Surface Trip | 6 | 24 |
| L594 | Sim Proj Ground Burst | 15 | 60 |
| L596 | Sim Arty Gun Flash | 1 | 8 |
| L598 | Sim Boobytrap Flash | 9 | 36 |
| L599 | Sim Boobytrap Illum | 5 | 20 |
| L600 | Sim Boobytrap Whistle | 6 | 24 |
| L601 | Sim Hand Grenade | 17 | 68 |

# Chapter 6
# Mobilization

## Section I
## Training Programs

### 6–1. General

*a.* This chapter provides standards, training ammunition requirements, and recommended training strategies for Reserve Component Special Operations and other forces during mobilization. Each Strategy outlines the training sequence, including frequencies for live fire and simulator usage.

*b.* The training strategies in this chapter are based on current doctrine, gunnery FMs, ARTEPs, and applicable MTPs. The appropriate manual will be consulted on the specifics of each activity.

*c.* Under the certification/validation program, it is not necessary for every element of an organization to qualify. To certify/validate elements, post-mobilization activities focus on mission preparation. To assist resource managers developing requirements for post mobilization train-up activities for Special Operations elements several assumptions must be made:

(1) Up to one third of the force will not be certified/validated.

(2) Up to fifty percent of the force requiring certification/validation will not need to verify qualification, however, they will need LFX training activities.

(3) Up to one sixth of the force will not have completed initial entry training.

(4) For non-certified/validated elements, a CTC rotation will be necessary.

*d.* As an example: in an entire Special Forces Group, we count on a battalion-sized element requiring some phase of certification/validation. In that battalion, one B team and six A teams may require weapon qualification ranges and ammunition. Weapons to be fired equates to 68 M16s, 12 M203s (including the M16 portion) and 8 pistols. The remaining elements of the battalion will require ammunition to support four fire tactical exercises (using blank ammunition), four LFXs and a CTC rotation for two B teams and 12 A teams. These are approximation methods and should not be taken as absolutes.

### 6–2. Objectives

Weapons training tasks in priority are—

*a.* Individual weapon proficiency.

*b.* Crew served weapon proficiency.

*c.* Common weapon proficiency.

*d.* Tactical training with blanks and simulators.

*e.* Live-fire tactical training.

*f.* Non-standard weapon proficiency.

### 6–3. Training strategies

*a.* Individual soldiers train on individual weapons.

*b.* Assigned crews/detachments assigned the mission to teach crew-served weapon skills will train on crew served weapons.

*c.* Special Forces Detachments are required to participate in a series of tactical exercises including four LFXs to certify/validate light infantry skills.

## Section II
## Weapons Strategies

### 6–4. Antiarmor weapons

Ammunition allocations and training priorities for antiarmor weapons (TOW, 106-mm RCLR, Dragon, AT-4, LAW) are at tables 6-1 through 6-5.

### 6–5. Mortars

Ammunition allocations and training priorities for mortars (60-mm, 81-mm and 120-mm) are at table 6-6 through 6-8.

### 6–6. Machine guns

Ammunition allocations and training priorities for machine guns (M2 HB, M60 and M249 SAW) are at table 6-9 through 6-11.

### 6–7. Rifles

Ammunition allocations for rifles (M16A1/A2, M21 sniper rifle and M203 GL) are at table 6-12 through 6-14.

### 6–8. Pistols

Ammunition allocations for pistols (M1911A1 and 9-mm) are at table 6-15.

### 6–9. Hand grenades

Ammunition allocations for hand grenades are at table 6-16.

### 6–10. Claymore mine

Ammunition allocations for Claymore mines are at table 6-17.

### 6–11. Engineer weapons

*a.* This section provides training standards, strategies and ammunition resources for Special Forces units using Engineer munitions upon mobilization. ODA personnel are divided into the following two groups.

(1) *Group I.* All ODA personnel.

(2) *Group II.* The 18B and 18C in the detachment to be trained.

*b. Training programs.* Training strategies are established for each task to be accomplished by the ODA. The standards are supported by training strategies. Resources are applied to the standards and strategies as written.

*c. Munitions.* The quantities of munitions required are annotated

in table 6-18, with one iteration of the task to be accomplished by personnel of the ODA summarized in table 6-19.

(1) *Training standards.* Training standards for each task are given below.

(2) *Demolition standard.*

*(a)* Ninety percent of Group I personnel will perform each task listed below and prime demolition for live fire to FM 5-250 standards.

- 051-193-1002 Construct a Nonelectric Demolition Firing System.
- 051-193-1004 Construct an Electric Demolition Firing System.
- 051-193-1009 Construct a Detonating Cord Firing System.
- 051-193-1011 Install Dual Firing Systems.
- 051-192-3038 Install Booby Traps.
- 051-193-3050 Calculate and Designate Placement of Timber-cutting Charges.
- 051-193-3051 Calculate and Designate Placement of Steel-cutting Charges.
- 331-922-0502 Employ the M2A1 8-Second Delay Percussion Detonator.
- 331-922-0503 Employ the M1A2 15-Second Delay Percussion Detonator.
- 331-922-0504 Employ the M1 Delay Firing Device (Time Pencil).
- 331-922-0505 Employ Civilian Explosives.

*(b)* Ninety percent of Group II personnel will perform each task listed below and prime demolition for live fire according to FM 5-250 standards and within STP 31-18C3/4-SM-TG standards.

- 051-193-2028 Neutralize Obstacles.
- 051-193-3052 Calculate and Designate Placement of Breaching Charges.
- 051-193-3053 Calculate Explosives and Designate Placement of Cratering Charges.
- 331-922-0009 Prepare and Employ a Demolition Ambush.
- 331-922-0010 Prepare and Employ Expedient Munitions.
- 331-922-0500 Employ the M10 Universal Explosive Destructor.
- 331-922-0501 Employ the M19 Explosive Destructor.
- 331-922-0506 Construct and Employ Expedient Charges (shape, dust initiator, platter, ammonium nitrate satchel, cratering and grapeshot).

(3) *Antitank, Antipersonnel Mine Standard.* Ninety percent of ODA personnel will perform each task listed below and prime live mines for live detonation according to FM 20-32 standards.

*Note.* Each ODA is allocated one each live M15 AT, M19 AT, M21 AT and M24 AT mine. Each ODA member will arm and disarm each inert mine to standards for M2, M3, M1, M23, M16A1, M15, M19, M21 and M24.

- 051-192-1002 Install/Remove the M16A1 Bounding Fragmentation AP Mine. (Korea only)
- 051-192-1026 Install/Remove the M2 series (M2A4) Bounding AP Mine.
- 051-192-1004 Install/Remove the M25 Blast AP Mine.
- 331-922-0507 Install/Remove the M3 Blast AP Mine.
- 051-192-1006 Install/Remove the M15 AT Mine.
- 051-192-1007 Install/Remove the M19 AT Mine.
- 051-192-1008 Install/Remove the M21 AT Mine.
- 051-192-1028 Install/Disarm and Package the M24 AT Mine.
- 051-192-2009 Install/Remove the M1 One Gallon Chemical Mine with an Electric Detonating Assembly.
- 051-192-2010 Install/Remove the M23 AP Chemical Mine.

(4) *Minefields.* Ninety percent of Group II personnel will perform each task listed below and arm an inert minefield according to FM 20-32 standards and within STP 31-18C3/4-SM-TG standards within 12 months.

- 051-192-1014 Install/Remove US Antihandling Devices on AT Mines.
- 051-192-3030 Direct a Minefield Laying Party.
- 051-192-3032 Direct Installation/Removal of a Hasty Protective Minefield.

**Table 6–1**
**Mobilization Ammunition Requirement and Training Strategy for the TOW**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | HEAT | M80 | ATWESS |
| DODIC | | PB96 | L592 | L367 |
| Practice Tracking | 1 | | 18 | |
| LFX | 1 | 1 | | |
| FTX | 1 | | | 14 |
| Total Rounds Required per firer | | 1 | 18 | 14 |

**Table 6–2**
**Mobilization Ammunition Requirement and Training Strategy for the 106-mm RCLR (18B/18C)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | .50 Cal Tracer | HEAT |
| DODIC | | A574 | C650 |
| Zero | 1 | 6 | |
| Instructional Firing | 1 | 40 | 3 |
| Total Rounds Required per firer | | 46 | 3 |

**Table 6–3**
**Mobilization Ammunition Requirement and Training Strategy for the Dragon (18B/C)**

| | | Rounds Required | |
|---|---|---|---|
| Event | Freq | M80 | HEAT |
| DODIC | | L592 | PL22/23 |
| Advanced Tracking | 1 | 40 | |
| LFX | 1 | | 1 |
| FTX | 1 | | 1 |
| Total Rounds Required per firer | | 40 | 2 |

**Table 6–4**
**Mobilization Ammunition Requirement and Training Strategy for the AT-4 (18B/C)**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | 9-mm | ATWESS | HEAT |
| DODIC | | A358 | L367 | C995 |
| Qualification (table III & IV) | 1 | 14 | | |
| LFX | 1 | | | 2 per BN |
| FTX | 1 | | 10 | |
| Total Rounds Required per firer | | 14 | 10 | 2 per BN |

**Table 6–5**
**Mobilization Ammunition Requirement and Training Strategy for the LAW**

| | | Rounds Required | | |
|---|---|---|---|---|
| Event | Freq | M73 | ATWESS | HEAT |
| DODIC | | H708 | L367 | H557 |
| Qualification | 1 | 10 | | |
| LFX | 4 | | | 25 per BN |
| FTX | 1 | | 10 | |
| Total Rounds Required per firer | | 10 | 10 | 100 per BN |

**Table 6–6**
**Mobilization Ammunition Requirement and Training Strategy for the 60-mm Mortar (Per 18B/C)**

| | | Rounds Required | | | |
|---|---|---|---|---|---|
| Event | Freq | HE | WP | ILLUM | SRTR[1] |
| DODIC | | B642 | B646 | B647 | B645 |
| SRTR Practice | 1 | | | | 7 per BN |
| LFX | 4 | 2 | 1 | 1 | |
| **Total Rounds Required per Mortar** | | 2 | 1 | 1 | 7 per BN |

Notes:
[1] SRTR is refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC BXXX).

**Table 6–7**
**Mobilization Ammunition Requirement and Training Strategy for the 81-mm Mortar (Per 18B/C)**

| | | Rounds Required | | | |
|---|---|---|---|---|---|
| Event | Freq | HE | WP | ILLUM | SRTR[1] |
| DODIC | | C868 | C870 | C871 | C876 |
| SRTR Practice | 1 | | | | 7 per BN |
| LFX | 1 | 2 | 1 | 1 | |
| **Total Rounds Required per Mortar** | | 2 | 1 | 1 | 7 per BN |

Notes:
[1] SRTR is refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC C045).

**Table 6–8**
**Mobilization Ammunition Requirement and Training Strategy for the 120-mm Mortar (Per 18B/C)**

| | | Rounds Required | | | |
|---|---|---|---|---|---|
| Event | Freq | HE | WP | LLUM | SRTR[1] |
| DODIC | | C623 | C624 | C226 (81-mm) | C876 (81-mm) |
| SRTR Practice | 1 | | | | 7 per BN |
| LFX | 1 | 2 | 1 | 1 | |
| **Total Rounds Required per Mortar** | | 2 | 1 | 1 | 7 per BN |

Notes:
[1] 81-mm SRTR. Refurbished 9 times before replacing. Request 9 refurbishing kits per SRTR (DODIC C045).

**Table 6–9**
**Mobilization Ammunition Requirement and Training Strategy for the M2 HB Machine Gun**

| | Freq | | Rounds Required | |
|---|---|---|---|---|
| Event | CAT I | CAT II | Ball | Mix |
| DODIC | | | A555 | A557 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | 1 | | |
| 10-meter Zero Practice Fire | 1 | 1 | 117 | |
| 10-meter Record Fire | 1 | 1 | 119 | |
| Transition Zero/Practice Fire[1] | 1 | 1 | | 182 |
| Transition Record Fire[1] | 1 | 1 | | 154 |
| Night Zero/Practice/Record Fire | 1 | 1 | | 196 |
| Assist Gunner 10 Meter Practice Fire | 1 | 1 | 236 | |
| Assist Gunner Transition/Night Fire | 1 | 1 | | 532 |
| LFX | 4 | 1 | | 500 |
| Total Rounds Required | | CAT I | 472 | 3064 |
| | | CAT II | 472 | 1564 |

Notes:
[1] These exercises may be fired from the tripod or vehicular mount.

**Table 6–10**
**Mobilization Ammunition Requirement and Training Strategy for the M60 Machine Gun**

| | Freq | | Rounds Required | |
|---|---|---|---|---|
| Event | CAT I | CAT II | Ball | Mix |
| DODIC | | | A143 | A131 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | 1 | | |
| 10-Meter Zero/Practice Fire | 1 | 1 | 117 | |
| 10-Meter Record Fire | 1 | 1 | 119 | |
| Transition Zero/Practice Fire | 1 | 1 | | 182 |
| Transition Record Fire | 1 | 1 | | 154 |
| Night Zero/Practice/Record Fire | 1 | 1 | | 196 |
| Assist Gunner 10-Meter Practice Fire | 1 | 1 | 236 | |
| Assist Gunner Transition/Night Fire | 1 | 1 | | 532 |
| LFX | 4 | 1 | | 500 |
| Total Rounds Required | | CAT I | 472 | 3064 |
| | | ICAT II | 472 | 1564 |

**Table 6–11**
**Mobilization Ammunition Requirement and Training Strategy for the M249 SAW**

| | Freq | | | | |
|---|---|---|---|---|---|
| Event | CAT I | CAT II | Ball | 4/1 Mix | Blank |
| DODIC | | | A062 | A064 | A075 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | 1 | | | |
| 10 Meter Zero/Practice Fire | 1 | 1 | 117 | | |
| 10 Meter Record Fire | 1 | 1 | 119 | | |
| Transition Zero/Practice Fire | 1 | 1 | | 182 | |
| Transition Record Fire | 1 | 1 | | 154 | |
| Night Zero/Practice/Record Fire | 1 | 1 | | 196 | |
| Assist Gunner 10 Meter Practice Fire | 1 | 1 | 236 | | |
| Assist Gunner Transition/Night Fire | 1 | 1 | | 532 | |
| LFX | 4 | 1 | | 500 | |
| Total Rounds Required | | CAT I | 472 | 3064 | |
| | | CAT II | 472 | 1564 | |

**Table 6–12**
**Mobilization Ammunition Requirement and Training Strategy for the M16A1/A2**

| | Freq | | Rounds Required | | |
|---|---|---|---|---|---|
| Event | CAT I | CAT II | Ball | Tracer | Blank |
| DODIC (A1/A2) | | | A071/A059 | A068/A063 | A080/A080 |
| Preliminary Marksmanship Instruction (Dry Fire) | 1 | 1 | | | |
| Zero | 1 | 1 | 18 | | |
| Practice Fire | 1 | 1 | 40 | | |
| Record Fire | 1 | 1 | 40 | | |

**Table 6–12**
**Mobilization Ammunition Requirement and Training Strategy for the M16A1/A2—Continued**

| | Freq | | Rounds Required | | |
|---|---|---|---|---|---|
| Event | CAT I | CAT II | Ball | Tracer | Blank |
| DODIC (A1/A2) | | | A071/A059 | A068/A063 | A080/A080 |
| NBC Practice Fire | 1 | 1 | 20 | | |
| NBC Record Fire | 1 | 1 | 20 | | |
| Night Practice Fire | 1 | 1 | 20 | 10 | |
| Night Record Fire | 1 | 1 | 20 | 10 | |
| Night Vision Goggle Zero Fire | 1 | 1 | 18 | | |
| Adv Rifle Marksmanship | 1 | 1 | 100 | | |
| LFX | 4 | 1 | 100 | 20 | |
| FTX | 1 | 1 | | | 120 |
| Total Rounds Required | CAT I | | 616 | 100 | 120 |
| Total Rounds Required | CAT II | | 316 | 40 | 120 |

**Table 6–13**
**Mobilization Ammunition Requirement and Training Strategy for the M24 Sniper Rifle (ODA)**

| Event | Freq | Rounds Required Match |
|---|---|---|
| DODIC | | A171 |
| Zero (Iron Sights) | 1 | 15 |
| Zero (Scope) | 1 | 12 |
| Qualification | 1 | 60 |
| Night Fire | 1 | 15 |
| Total Rounds Required | | 102 |

**Table 6–14**
**Mobilization Ammunition Requirement and Training Strategy for the M203 Grenade Launcher**

| | Freq | | | | Rounds Required | |
|---|---|---|---|---|---|---|
| Event | CAT I ASGND | CAT I UNASGND | CAT II ASGND | CAT II UNASGND | HE | TP |
| DODIC | | | | | B546 | B519 |
| Instructional Fire[1] | | 1 | | 1 | | 5 |
| Zero | 1 | | 1 | | | 6 |
| Qualification | 1 | | 1 | | | 12 |
| Night Record Fire | 1 | | 1 | | 3 | |
| FTX | 1 | | 1 | | | 36 |
| LFX | 4 | | 4 | | 6 | |
| Total Rounds Required | | CAT I/II Assigned | | | 28 | 54 |
| | | CAT I/II Unassigned | | | | 5 |

Notes:
[1] TP may be substituted for HE.

**Table 6–15**
**Mobilization Ammunition Requirement and Training Strategy for the 9-mm/M1911A1 .45 cal Pistol**

| | Freq | | Rounds Required |
|---|---|---|---|
| Event | CAT I | CAT II | 9-mm/.45 cal |
| DODIC | | | A363/A475 |
| Preliminary Marksmanship Instruction | 1 | 1 | |
| Instructional Fire | 1 | 1 | 25 |
| Combat Pistol Qualification Course | 1 | 1 | 40 |
| Total Rounds Required | | | 60 |

**Table 6–16**
**Mobilization Ammunition Requirement and Training Strategy for the M67 Hand Grenade**

| | Freq | | Rounds Required | |
|---|---|---|---|---|
| Event | CAT I | CAT II | M228 (Practice) | M67 |
| DODIC | | | G878 | G881 |
| Qualification Course | 1 | 1 | 10 | |
| Live Grenade Throw | 1 | 1 | | 1 |
| LFX | 4 | | | 24 per BN |
| **Total Rounds Required** | | | 10 | 1 and 24 per BN |

**Table 6–17**
**Mobilization Ammunition Requirement and Training Strategy for the M18A1/A2 Claymore Mine**

| | Freq | | Mines Required |
|---|---|---|---|
| Event | CAT I | CAT II | M18 |
| DODIC | | | K143 |
| Instruction | 1 | 1 | Inert |
| LFX | 4 | | 18 per BN |
| Total Mines Required | | | 18 per BN |

**Table 6–18**
**Mobilization Ammunition Allocations for Special Forces Teams**

| DODIC | Type Monitions | Required per ODA |
|---|---|---|
| A130 | 7.62-mm Ball M14 | 6 |
| B632 | 60-mm HE w/fuze | 6 |
| C256 | 81-mm HE w/fuze | 6 |
| C697 | 107-mm HE w/fuze | 3 |
| G881 | Grenade, Hand Fragmentation | 6 |
| G900 | Grenade, Hand Incendiary TH3 | 6 |
| G937 | Grenade, Rifle Smoke WP | 6 |
| H557 | Rocket, 66-mm HEAT (LAW) | 6 |
| K002 | Activator, AT Mine Practice, M1 | 6 |
| K030 | Primer-igniter, AP Mine, fuze, M10A1 | 6 |

**Table 6–18**
**Mobilization Ammunition Allocations for Special Forces Teams—Continued**

| DODIC | Type Monitions | Required per ODA |
|---|---|---|
| K040 | Charge, Spotting, AP Mine, M8 | 6 |
| K051 | Fuze, AT Mine, M604 Practice | 6 |
| K055 | Fuze, AP Mine, M605 for M8 Practice | 6 |
| K092 | Mine, AP, M16A1 (Korea only) | 1 |
| K143 | Mine, AP, M18A1 | 6 |
| K180 | Mine, AT, M15 | 1 |
| K181 | Mine, AT, M21 | 1 |
| K231 | Mine, AT, M15 Practice | 6 |
| K250 | Mine, AT, M19 | 1 |
| K917 | Compound Thickening, M4 | 2 |
| M023 | Charge, Demolition, C-4, 1.25-lb[1] | 445 |
| M024 | Charge, Demolition, M118 | 3 |
| M028 | Demolition Kit, Bangalore Torpedo | 1 |
| M030 | Charge, Demolition, 1/4 lb TNT | 270 |
| M032 | Charge, Demolition, 1 lb TNT | 1230 |
| M039 | Charge, Demolition, 40 lb Cratering | 2 |
| M097 | Cap, Blasting, Nonelectric, Inert | 12 |
| M098 | Cap, Blasting, Electric, Inert | 12 |
| M130 | Cap, Blasting, Electric | 312 |
| M131 | Cap, Blasting, Nonelectric | 1170 |
| M241 | Destructor, Universal, M10 | 6 |
| M327 | Coupling Base, Firing Device | 3 |
| M420 | Charge, Demolition, Shaped, 15 lb | 2 |
| M421 | Charge, Demolition, Shaped 40 lb | 1 |
| M456 | Cord, Detonating, Reinforced | 21000 ft |
| M458 | Cord, Detonating, Inert | 1000 ft |
| M591 | Dynamite, Mil, M1 | 480 |
| M627 | Firing Device, Pressure, M5 | 39 |
| M670 | Fuze, Time Blasting, M700 | 10200 |
| M757 | Charge Assembly, Demolition, M183 | 6 |
| M766 | Igniter, Time Fuze | 2160 |
| M842 | Squib, Electric, M1 | 8 |
| ML03 | Firing Device, M142 | 39 |
| M448 | Detonator, 8-second Delay, M2A1 | 36 |
| M450 | Detonator, 15-second Delay, M1A2 | 36 |
| M619 | Firing Device, Delay (time pencil), M1 | 36 |
| M623 | Firing Device, Delay | 36 |
| M630 | Firing Device, M1 | 38 |
| M626 | Firing Device, M1A1 | 38 |
| M629 | Firing Device, M3 | 38 |

Notes:
[1] If C-4 is not available, substitute TNT on a pound-for-pound basis.

**Table 6–19**
**Ammunition Requirement and Training Strategy for Demolition**

| Event (Individual Tasks) | Task Number | Freq Live/Inert |
|---|---|---|
| Install a Dual Firing System | 051-193-1011 | 3 / 1 |
| Calculate and Designate Placement of Timber Cutting Charges (Inert) | 051-193-3050 | 3 / 1 |
| Calculate and Designate Placement of Steel Cutting Charges | 051-193-3051 | 3 / 1 |
| Install Booby Traps | 051-193-3038 | 3 / 1 |
| Install/Remove the M16 AP Mine (Korea only) | 051-192-1002 | 1 / 1 |
| Install/Remove the M15 AT Mine | 051-192-1006 | 1 / 1 |
| Install/Remove the M19 AT Mine | 051-192-1007 | 1 / 1 |
| Install/Remove the M21 AT Mine | 051-192-1008 | 1 / 1 |
| Install/Disarm/Package the M24 AT Mine | 051-192-1028 | 1 / 1 |
| Install/Remove the M1 1-Gallon Chemical Mine w/an Electric Detonating Assembly | 051-192-2009 | 0 / 1 |
| Install/Remove the M23 AP Chemical Mine | 051-192-2010 | 0 / 1 |
| Construct an Electric Demo Firing System | 051-193-1004 | 3 / 1 |
| Construct | | 3 / 1 |
| Construct a Detonating Cord Firing System | 051-193-1009 | 3 / 1 |
| Employ Civilian Explosives | 331-922-0505 | 3 / 1 |
| Employ the M2A1 Delay Percussion Detonator (8 sec) | 331-922-0502 | 3 / 0 |
| Employ the M1A2 Delay Percussion Detonator (15 sec) | 331-922-0503 | 3 / 0 |
| Employ the M1 Delay Firing Device | 331-922-0504 | 3 / 0 |
| Install/Remove the M2 AP Mine | 051-192-1026 | 0 / 1 |
| Install/Remove the M25 AP Mine | 051-192-1004 | 0 / 1 |
| Install/Remove the M3 AP Mine | 331-922-0507 | 0 / 1 |
| Event (Team (ODA) Tasks | | |
| Neutralize Obstacles | 051-193-2028 | 1 / 0 |
| Calculate and Designate Placement of Breaching Charge | 051-193-3052 | 1 / 0 |
| Calculate Explosive and Designate Placement of Cratering Charge | 051-193-3053 | 1 / 0 |
| Prepare and Employ a Demolition Ambush | 331-922-0009 | 1 / 0 |
| Prepare and Employ Expedient Munitions | 331-922-0010 | 1 / 0 |
| Employ the M10 Universal Explosive Detonator | 331-922-0500 | 1 / 0 |
| Employ the M19 Explosive Detonator | 331-922-0501 | 1 / 0 |
| Construct and Employ Expedient Charges | 331-922-0506 | 1 / 0 |
| Install/Remove AT Mine Antihandling Device | 051-192-1014 | 1 / 0 |
| Direct a Minefield Laying Party | 051-192-3030 | 0 / 1 |
| Direct Install/Remove of a Hasty Protective Minefield | 051-192-3032 | 0 / 1 |

## Appendix A
## References

### Section I
### Required Publications

**AR 350–41**
Training in Units. (Cited in paras 1-1*a*, 5-1*d* and 5-10*b*)

### Section II
### Related Publications
A related publication is merely a source of additional information. The user does not have to read it to understand the regulation.

**AR 220–1**
Unit Status Reporting

**AR 350–1**
Army Training

**ARTEP 1–385–MTP**
Mission Training Plan for the Attack Helicopter Battalion

**ARTEP 7–8–MTP**
Mission Training Plan for the Infantry Rifle Platoon and Squad

**ARTEP 7–90–Drill**
Drills for the Infantry Mortar Platoon, Section, and Squad

**ARTEP 7–90–MTP**
Mission Training Plan for the Infantry Mortar Platoon, Section and Squad

**ARTEP 44–117–11–Drill**
Drills for Stinger Teams

**FM 1–100**
Army Aviation Operations

**FM 1–108**
Doctrine for Special Operations Aviation Forces

**FM 1–140**
Helicopter Gunnery

**FM 6–20**
Fire Support in the AirLand Battle

**FM 6–30**
Tactics, Techniques, and Procedures for Observed Fire

**FM 7–8**
Infantry Rifle Platoon and Squad

**FM 7–10**
The Infantry Rifle Company

**FM 7–20**
The Infantry Battalion (Infantry, Airborne, Air Assault)

**FM 7–85**
Ranger Unit Operations

**FM 7–93**
Long Range Surveillance Unit Operations

**FM 10–1**
Quartermaster Principles

**FM 20–32**
Mine/Countermine Operations

**FM 21–76**
Survival

**FM 21–78**
Resistance and Escape

**FM 23–9**
M16A1 Rifle and M16A2 Rifle Marksmanship

**FM 23–10**
Sniper Training

**FM 23–11**
90-mm Recoilless Rifle, M67

**FM 23–14**
M249 Light Machine Gun in the Automatic Rifle Role

**FM 23–23**
Antipersonnel Mine M18A1 and M18 (Claymore)

**FM 23–24**
Dragon Medium Antitank Assault Weapon, M47

**FM 23–25**
Light Antiarmor Weapons

**FM 23–27**
MK-19, 40-mm Grenade Machine Gun, MOD 3

**FM 23–30**
Grenades and Pyrotechnic Signals

**FM 23–31**
40-mm Grenade Launchers M203 and M79

**FM 23–34**
TOW Weapon System

**FM 23–35**
Combat Training with Pistols and Revolvers

**FM 23–41**
Submachine Guns, Caliber .45 M3 and M3A1

**FM 23–65**
Browning Machine gun Caliber .50 HB, M2

**FM 23–67**
Machine Gun, 7.62-mm, M60

**FM 23–90**
Mortars

**FM 23–91**
Mortar Gunnery

**FM 31–19**
Military Free-Fall Parachuting Tactics, Techniques and Procedures

**FM 31–20**
Doctrine for Special Forces Operations

**FM 31–20–5**
Special Reconnaissance Tactics, Techniques and Procedures for Special Forces

**FM 31–26**
Special Forces Advanced Operations Techniques

**FM 33–1**
Psychological Operations

**FM 41–10**

Civil Affairs Operations

**FM 44–8**
Small Unit Self-Defense Against Air Attack

**FM 90–10 (HTF)**
Military Operations on Urbanized Terrain (MOUT)

**FM 90–10–1**
An Infantryman's Guide to Combat in Built-Up Areas

**FM 100–5**
Operations

**FM 100–25**
Doctrine for Army Special Operations Forces

**TC 23–2**
66-mm Rocket Launcher M202A1

**TC 25–6**
Force-on-Force Collective Training Using the Tactical Engagement Simulation Training System

**TC 25–8**
Training Ranges

**STP 7–11C14–SM–TG**
Soldier's Manual, Skill Levels 1/2/3/4, and Trainer's Guide, MOS 11C, Indirect Fire Infantryman

**STP 7–11H14–SM–TG**
Soldier's Manual, Skill Levels 1/2/3/4, and Trainer's Guide, MOS 11H, Heavy Antiarmor Weapons Infantryman

**STP 7–11BCHM14–SM–TG**
Soldier's Manual, Skill Levels 1/2/3/4, and Trainer's Guide, CMF 11, Infantry

**STP 21–1**
Soldiers Manual of Common Tasks

**STP 31–18B34–SM–TG**
Soldier's Manual, MOS 18B, Special Forces Weapons Sergeant, Skill Levels 3/4

**STP 31–18C34–SM–TG**
Soldier's Manual and Trainer's Guide for MOS 18C Special Forces Engineer Sergeant

**RTC 350–1**
Regimental Training Circular Commander, HQ 75th Ranger Regiment, ATTN: AORG-SC, Fort Benning, GA 31905-5893

**USASFC(A) Reg 350–1**
Component Training Commander, USAFC, USASF, ATTN: AOSOS-GCT, Fort Bragg, NC 28307-5200

### Section III
### Prescribed Forms
This section contains no entries.

### Section IV
### Referenced Forms
This section contains no entries.

## Glossary

### Section I
### Abbreviations

**AB**
ammunition bearer

**AC**
Active Component

**AG**
assistant gunner

**AGES/AD**
air-to-ground engagement system/air defense

**AIT**
advanced individual training

**AMT**
advanced military operations on urban terrain

**AOE**
Army of Excellence

**AP**
antipersonnel

**APC**
armored personnel carrier

**AR**
Army regulation

**ARNG**
Army National Guard

**ARTEP**
Army Training and Evaluation Program

**arty**
artillery

**ASA(RDA)**
Assistant Secretary of the Army (Research, Development and Acquisition)

**ASGND**
assigned

**AT**
antitank

**ATSC**
Army Training Support Center

**ATWESS**
antitank weapon effects signature simulator

**BILAT**
bilateral training

**blk**
blank

**BMQ**
basic mission qualified

**BMT**
basic mission trained

**BNCOC**
Basic Noncommissioned Officers Course

**BN**
battalion

**CA**
Civil Affairs

**Cal**
calibration/caliber

**CALFEX**
combined arms live fire exercise

**CAPEX**
capabilities exercise

**CAR**
carbine automatic rifle

**CAT**
category

**Cbt Arms**
Combat Arms

**CG**
Commanding General

**CMF**
career management field

**coax**
coaxial

**CONC**
concussion

**CRD**
chemical reconnaissance detachment

**CQB**
close-quarters battle

**CQC**
close-quarters combat

**CRT**
combat readiness training

**CS**
close support/combat support

**CSA**
Chief of Staff of the Army

**CSS**
combat service support

**CTC**
combat training center

**CTT**
common task test

**DA**
Department of the Army

**DAMO-TRS**
Deputy Chief of Staff for Operations and Plans (Training)

**DAP**
defensive armored penetration

**DCSOPS**
Deputy Chief of Staff for Operations and Plans

**det**
detachment

**dist**
distance

**DODIC**
Department of Defense Identification Code

**ea**
each

**EDRE**
emergency deployment readiness exercise

**EFP**
explosive formed projectile

**EXEVAL**
external evaluation

**FARRP**
forward area rearm and refuel point

**FDC**
fire direction center

**FFAR**
folding fin aerial rocket

**FIST**
fire support team

**flech**
flechette

**flr**
flair

**flsh**
flash

**FMQ**
fully mission capable

**FM**
field manual

**FO**
forward observer

**FORSCOM**
U.S. Army Forces Command

**FRAG**
fragmentation

**freq**
frequency

**FSE**
fire support element

**FTX**
field training exercise

**gnr**
gunner

**GL**
grenade launcher

**GMG**
grenade machine gun

**gnd**
ground

**gren**
grenade

**grn**
green

**HB**
heavy barrel

**HE**
high explosive

**HEPD**
high explosive, point detonating

**HEAT(-TPT)**
high explosive antitank (target practice tracer)

**HHC**
Headquarters and Headquarters Company

**HG**
hand grenade

**HMG**
heavy machine gun

**HQDA**
Headquarters Department of the Army

**IDN**
initial distribution number

**Illum**
illumination

**JOTC**
Joint Operations Training Center

**JRT**
Joint Readiness Training

**JRTC**
Joint Readiness Training Center

**LAW**
light antitank weapon

**lb**
pound

**LES**
launch environment simulator

**LFX**
live-fire exercise

**LRSD**
long-range surveillance detachment

**m**
meter

**MACOM**
major Army command

**METL**
mission-essential task list

**MG**
machine gun

**MILES**
multiple integrated laser engagement system

**MICLIC**
mine clearing line charge

**mm**
millimeter

**MOPP**
mission oriented protective posture

**MORTEP**
Mortar Army Training and Evaluation Program

**MOS**
military occupational specialty

**MOUT**
military operations on urban terrain

**MTP**
mission training plan

**NBC**
nuclear, biological and chemical

**NGB**
National Guard Bureau

**NTC**
National Training Center

**NVG**
night vision goggles

**OD(A)**
operational detachment (A)

**PAM**
pamphlet

**para**
paragraph, parachute

**pers**
personnel

**proj**
projectile

**RAAWS**
ranger antiarmor-antipersonnel weapon system

**RC**
Reserve Component

**RCLR**
recoilless rifle

**RDX**
rapid demolition explosive

**reg**
regulation

**RG**
range

**rnd**
round

**RNG**
range, ranger

**rqmt**
requirement

**RPG**
rocket-propelled grenade

**RRF**
Ranger Ready Force

**RTC**
regimental training circular

**S&T**
standardization and training

**SAAD**
small arms air defense

**SATA**
safety and arming test aid

**SAW**
squad automatic weapon

**sim**
simulator

**SM**
soldiers manual

**SMG**
submachine gun

**smk**
smoke

**SO**
Special Operations

**SOAR**
Special Operations Aviation Regiment

**SOCOM**
Special Operations Command

**SOF**
Special Operations Forces

**SOT(A)**
support operational team (A)

**SOW**
Special Operations Wing

**spt**
support

**SRTR**
short range training round

**STI**
shock tube initiators

**STLS**
stinger training launch simulator

**STP**
soldier training publication

**STRAC**
Standards in Training Commission

**TACP**
tactical air control party

**TADSS**
training aids, devices, simulators and simulations

**TC**
training circular

**TDFD**
time-delayed firing device

**tgt**
target

**TOW**
tube-launched, optically tracked, wire-guided missile

**tng**
training

**TNT**
trinitrotoluene

**TP**
training projectile

**TPT**
troop proficiency trainer/target practice tracer

**TRADOC**
U.S. Army Training and Doctrine Command

**TRC**
training readiness condition

**TSC**
training support center

**TSFO**
Training set fire observation

**UNASGND**
unassigned

**USAR**
U.S. Army Reserve

**USASOC**
U.S. Army Special Operations Command

**UW**
unconventional warfare

**VCSA**
Vice Chief of Staff of the Army

**w**
with

**whst**
whistling

**wht**
white

**wo**
without

**wpn**
weapon

**yel**
yellow

**WP**
white phosphorus

**WSP**
white star parachute

## Section II
## Terms
This section contains no entries.

## Section III
## Special Abbreviations and Terms
This section contains no entries.

## Index

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